

# User Manual



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## 1.0 General Information

### 1.0.1 System Overview

InsTIL is developed using Microsoft .Net. InsTIL runs on Microsoft Desktop Engine Database or Microsoft SQL Server. Since the front end is browser based, this provides the user flexibility to access the application from multiple locations.

### 1.0.2 Authorized User permission

This is a trademarked product from Precision Group. InsTIL, a licensed product, comes to the user with remote support, with the flexibility of scaling up based on the complexity and the requirements of the organization. InsTIL comes with an option of Annual Support Contract (ASC) after the first year of usage. The ASC helps the organization to get continuous support, special pricing on upgrades and much more even after a year's usage.

Being a licensed product, InsTIL warns against unauthorized usage of the system and making unauthorized copies of data, software, reports and documents. Unauthorized tampering would affect the performance and the stability of the application and the user is warned that a fresh license is required to be procured to reinstate the existing condition.

## 2.0 System Summary

InsTIL provides to the user six roles in terms of functionality. InsTIL also supports multi roles i.e. a Service Desk can be a Technician, Administrator and an IT Manager. The roles are defined as follows:

1. Site Manager
2. Administrator
3. Service desk
4. User
5. Technician
6. IT Manager

### 2.0.1 System Configuration

InsTIL can be deployed on a system that runs on Windows XP or above. As the application comes to the user with a bundled MSDE database, investment on an exclusive database is minimized. However depending on the volume of internal transactions the user is provided the flexibility of using Microsoft SQL server also. InsTIL is developed using Microsoft .NET and therefore it can be accessed from most popular browsers

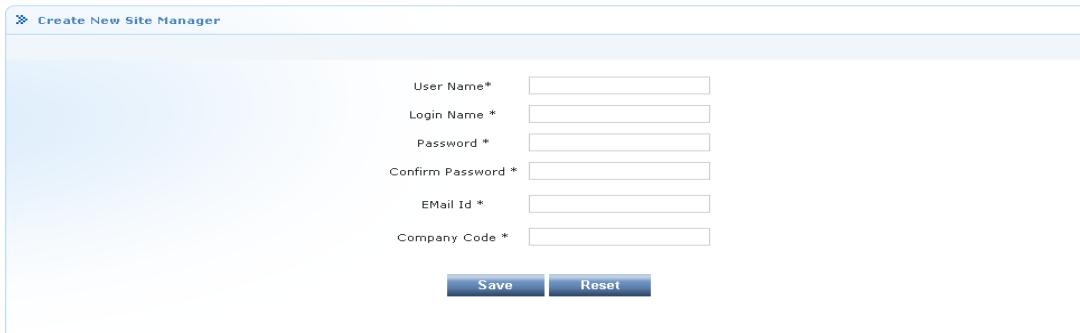
## 2.0.2 User Access Levels

The functionalities of various roles of InsTIL are listed in the table below

ROLE	FUNCTIONALITY
Site Manager	Managing and creation of companies and maintaining their licenses. Creation of Administrators for each company
Administrator	Network scan User synchronization through ADS Auto Service desk functionality Customizable E-mail alerts Incident Template creator Knowledge base and FAQ Report generation
User	Incident intimation, Call Classification, Call closure
Service Desk	Call logging on user absence, call classification, calls assigning / re-assigning. Remote Desktop Call Analysis report
Technician	Call updating upon actual investigation & Diagnosis Call Re-classification Call Logging on User absence
IT Manager	Overall management and reporting

## 3.0 Getting Started

After generation of license, a new window appears where the Site Manager account is created as shown below.



### Creation of Site Manager

1. Enter the user name of Site Manager
2. Enter the login name
3. Enter the password and mail id of the Site Manager
4. Enter the company code
5. Click Save button to save the Site Manager created

### 3.1 Site Manager

The role of Site Manager is to create the companies and to control and allocate the license for the various companies in the organization. The Site Manager can also create the administrator for these companies. In this section we will go through how to add company and the various type of licensing.

#### Company creation

##### **Operation:**

To add a new company, Click New Button

##### **Company Details:**

1. Enter company code – The company code is necessary at the time of logging into the application for different companies
2. Enter company name and other details

##### **Database Credentials:**

1. Enter database server IP – The database can be in unique system or individual systems for various companies
2. The database name is automatically generated

3. Enter the database user id and password
4. Click Test connection to connect the database.

### Modules:

Select the modules that has to be available for the particular company

### License Details:

For multi company: (Company based)

1. Choose start date – The period when the license begins
2. Choose end date – The period when the license ends
3. Enter the no of service desk and no of assets
4. Click Save button

**Home**

<b>Company Details</b>	
Company Code *	PI
Company Name *	Precision Infomatic Pvt Ltd
Address *	# 22, Habibullah Road, T Nagar Chennai-600017
Phone Number *	044-42199500
Status *	Active
<b>Database Credentials</b>	
SQL Server *	localhost\sqlexpress
Database *	InstTIL_PI
Login Name *	sa
Password	*****
<input type="button" value="Test Connection"/>	
<b>Modules</b>	
<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Incident Management
<input checked="" type="checkbox"/> Product Support	<input checked="" type="checkbox"/> Incident Management Plus
<b>License Details -</b>	
Start Date *	05/25/2011 <input type="button" value=""/>
End Date *	06/24/2011 <input type="button" value=""/>
No Of Service Desk *	0 Available Count : 0
No Of Assets *	250 Available Count : 250
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**License Details**

<b>Module</b>	
Asset Management	: <input checked="" type="checkbox"/>
Product Support	: <input checked="" type="checkbox"/>
Incident Management	: <input checked="" type="checkbox"/>
Incident Management Plus	: <input checked="" type="checkbox"/>

## Managing Administrator



User Name	Login Name	Mail Id
Admin	admin	ramkumar.narendrakumar@precisionit.co.in

Page 1 of 1 | Records 1 - 1 of 1 | 1 | Goto | 1 |

Code	Company Name	Address
PIL	Precision Infomatic PVT.LTD	Old...

Page 1 of 1 | Records 1 - 1 of 1 | 1 |

Phone Number	Status	Role
91 9842199500	Active	Administrators

## Operation

1. Select the Administrator link from the respective Company name
2. Provide the details of Administrator like User Name, Login Name, Password, Confirm Password and Mail Id
3. Click Save to save the entry created

## 4.0 Logging in as Administrator

Just like any application, InsTIL also require master information related to the assets, users, complaints, service desk detail that needs to be created before the user or service desk or technician or IT Manager starts using this tool from their functional perspective. The Site manager creates the company and relevant information. The Site manager creates the InsTIL administrator who has the privilege of creating the master records related to the assets. Similarly master records related to user, service desk, organization are created by the administrator.

## InsTIL Wizard

InsTIL wizard is the new feature enabled with the latest version of InsTILXpress. This wizard helps the administrator to ease the process of configuring the major functionalities covered in InsTIL like, Discovery of assets on the network, Discovery of users from Active Directory and Configuration of Service Desk etc., each from a separate wizard. For example - discovering the assets on the network, the administrator has to create the

domain information, credentials for authenticating and create network name with IP ranges all in separate windows. This wizard helps the administrator to create all the above said master data information in a single process based configuration wizard.

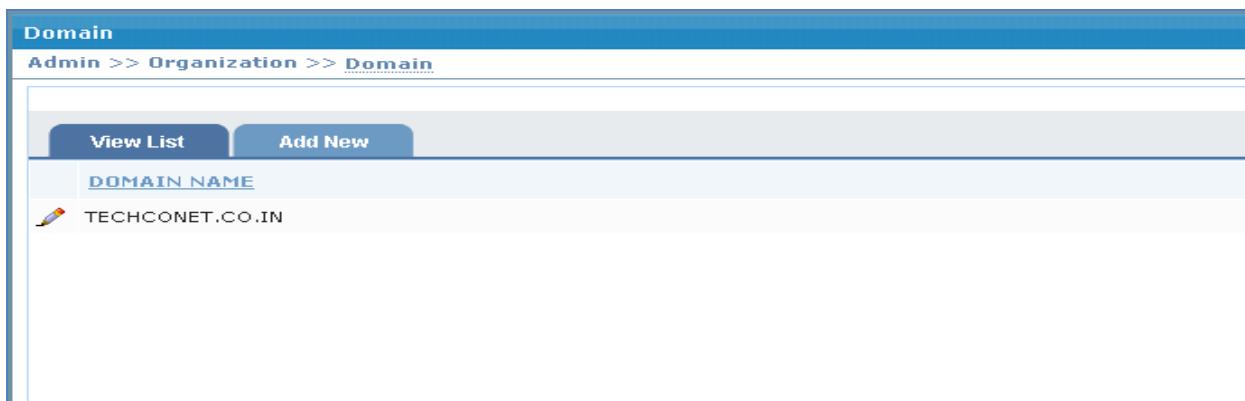
The various wizards currently available in InsTIL are;

1. Discover assets on network
2. Discover user from Active Directory
3. Configure Service desk

### Discover Assets from network

By discovery we mean remotely capturing asset information for IP enabled devices such as Desktop, Laptop, Server, Router, Switch, Printer and getting vital information on their hardware and software configurations. The steps for using the wizard is given below

1. Click Wizard link from the Home Page
2. Select Discover assets on network
3. The description on what asset discovery is all about will be displayed and click Next to continue
4. The **Domain** name is captured by default, also the administrator can add additional domain on the same window by clicking Add New



5. Click Next to Continue
6. Click Add new to add a new credential. There are two types of credentials that can be added in InsTIL application a. WMI credential b. SNMP credential

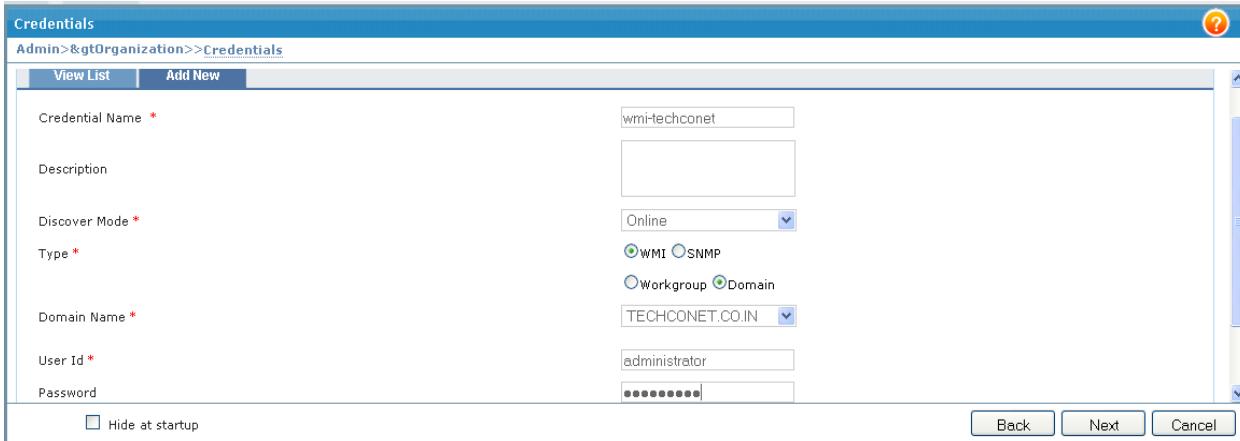
Steps to create SNMP credential

- a) Click Add new credential

- b) Enter an SNMP credential name
- c) Select SNMP
- d) Enter the community string value as public
- e) Enter the timeout as 2000 (milli seconds)
- f) Click Save to save the credential created

Steps to create WMI credential

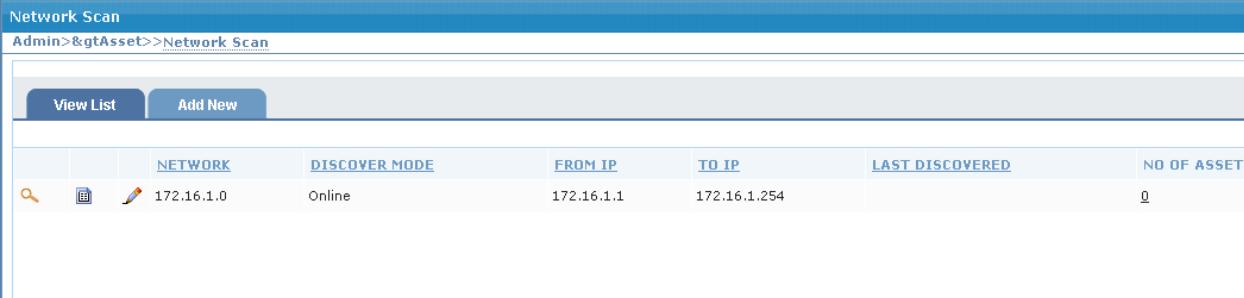
- a) Click Add new credential
- b) Enter a WMI credential name
- c) Select WMI
- d) In WMI the credentials are created through workgroup or domain
- e) Click on Domain as credential type and select the domain name from the dropdown list
- f) The domain system name is automatically fetched from the Domain master
- g) Enter the domain administrator username and password
- h) Click Save to save the credential created



The screenshot shows the 'Add New Credential' dialog box. The 'Type' dropdown is set to 'WMI'. The 'Domain Name' dropdown is set to 'TECHCONET.CO.IN'. The 'User Id' is 'administrator' and the 'Password' is masked. The 'Discover Mode' is 'Online'. The 'Credential Name' is 'wmi-techconet'. The 'Description' field is empty. The 'Hide at startup' checkbox is unchecked. At the bottom are 'Back', 'Next', and 'Cancel' buttons.

7. Click Next to create the network name along with the IP range for discovery
8. Enter a suitable network name based on various VLAN and select the discovery mode as online

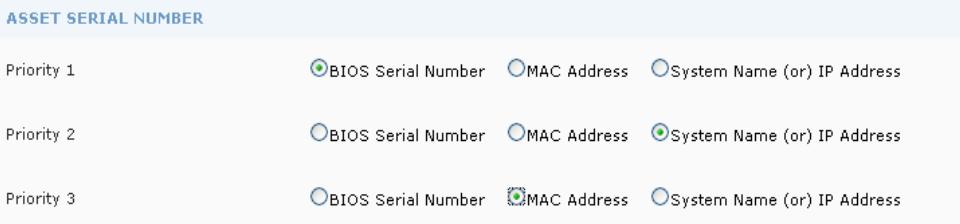
9. Enter the IP range say for example 172.16.1.1 as From IP to 172.16.1.254 as To IP
10. Click save to save the entry created



The screenshot shows a table with the following data:

	NETWORK	DISCOVER MODE	FROM IP	TO IP	LAST DISCOVERED	NO OF ASSETS
	172.16.1.0	Online	172.16.1.1	172.16.1.254		0

11. Click Next to configure the settings for discovering the Asset serial number for each asset
12. There are three priorities given for the capturing the Asset Serial Number as shown below



The screenshot shows three priority levels with radio button options:

- Priority 1:  BIOS Serial Number  MAC Address  System Name (or) IP Address
- Priority 2:  BIOS Serial Number  MAC Address  System Name (or) IP Address
- Priority 3:  BIOS Serial Number  MAC Address  System Name (or) IP Address

13. Click submit to save the record and click Next to proceed with the next step
14. Click the Discover icon to start the asset discovery for the specified IP range
15. The assets in the specified range are automatically discovered and imported to the application
16. Click Next for scheduling a network scan
17. Select the network name, category and re-occurrence type
18. Click Save to save the entry created
19. Click next to configure the various services available in InstIL
20. Click Finish to complete the wizard configuration

Similarly wizards can be used for configuring other two major features Active Directory Import & Service Desk configuration.

## Quick Link

Quick Links is a bullet functionality, which provides short cuts to Administrators to perform a specific function. The quick links are available for the following menu in InstIL. This helps the administrator to quickly navigate to the specified menu for the ease of operation.

1. Vendor
2. Asset Entry

3. User Entry
4. User Asset Linking
5. FAQ
6. Knowledgebase
7. Escalation
8. Tasks
9. Settings
10. Preference

## 4.1 Organization

### Defining Organization – Company

#### Operation

1. The company name and address is automatically generated when the license is configured for the company.
2. Enter the Company Mail Id
3. Enter the Internal URL – The Internal URL is given so that when a mail is triggered, the Internal URL is also displayed in the mail so that the user can log into the application from the URL which is displayed.
4. Enter the Service Desk Phone Number
5. Click Browse to Add the Company logo so that it appears on the screen.
6. Click Update button to update the records.

Admin > Organization > Company

**Company**

<b>Name *</b>	Precision Techconet Pvt Ltd
<b>Address *</b>	No.:22, 1st Floor, Habibullah Road, T.Nagar, Chennai - 600 017. Tamil Nadu, India.
<b>Phone Number</b>	044123465789
<b>Mail Id *</b>	sales@instilservicedesk.com
<b>Internal URL *</b>	http://172.16.1.106/instil
<b>External URL</b>	
<b>Service Desk Phone Number</b>	
<b>Logo [Size : 150x74]</b>	<input type="button" value="Browse..."/>
<input type="button" value="Update"/> <input type="button" value="Reset"/>	

## Defining Organization – Mail Server Setting

The below screen shows the Mail Server Setting. This screen enables the Administrator to provide the SMTP server settings for the mail triggering functionality in InstIL. There is an option provided for the administrator to enter the secondary mail server information if required.

Admin > Organization > Mail Server Setting

**Mail Server Setting**

<input type="button" value="Clear Mail Server Setting From Database"/>	
Server *	172.16.1.25
Port *	25
Mail Format *	<input checked="" type="radio"/> HTML <input type="radio"/> Plain Text
<input type="checkbox"/> This server requires a secure connection (SSL) <input type="checkbox"/> Requires Authentication	
User Name	
Password	
Service Desk Email Id *	sibi@techconet.co.in
Alert From Email Id *	sibi@techconet.co.in
<input type="button" value="Test Mail Settings ..."/> <input type="button" value="Save"/> <input type="button" value="Reset"/>	

### Operation

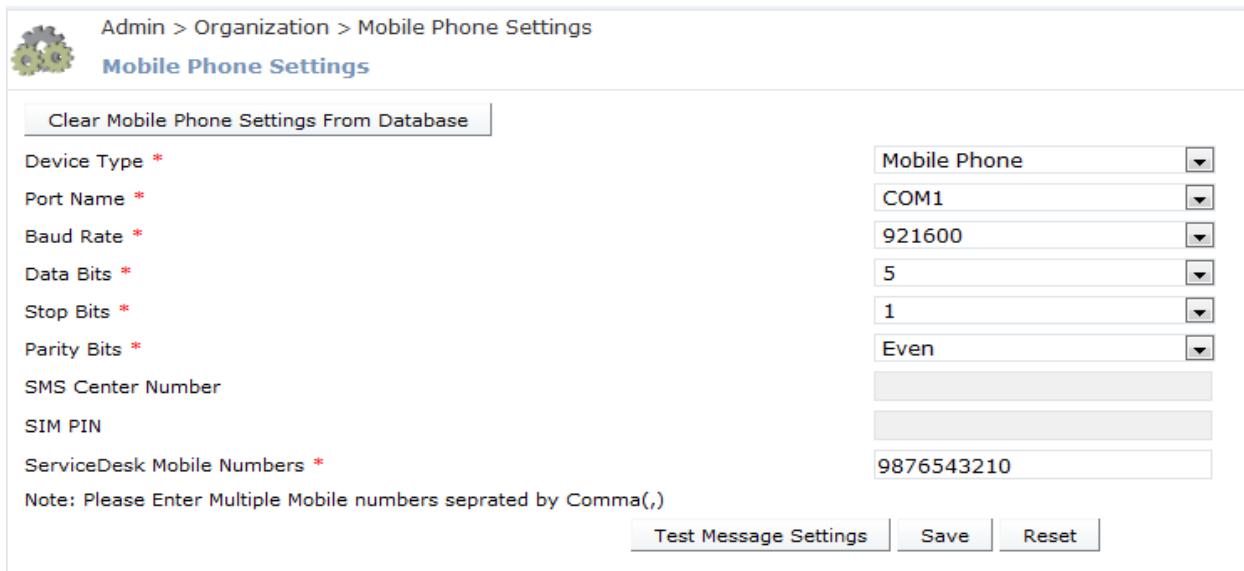
1. Enter the information of SMTP server IP and port details
2. Select the mail format as either HTML or Plain text. The email content appears based on the format selected
3. Enter the credentials required for the authentication to the mail server
4. Provide the Service Desk & Alert email id.
5. Enable Add a secondary mail server
6. Enter the information of SMTP server IP and port where the mail server is configured

7. Enable Require Authentication and provide the credential details like User name and Password.

## Defining Organization – Mobile Phone Settings

InsTIL application provides SMS alerts in addition to Email alerts for various functionalities in the product like Incident handling, User creation, Escalations, AMC/Warranty/SLA Reminder and Task

This menu provides the administrator to configure the SMS settings required for the alert process. The below fig shows the SMS settings screen.



Admin > Organization > Mobile Phone Settings

**Mobile Phone Settings**

[Clear Mobile Phone Settings From Database](#)

Device Type *	Mobile Phone
Port Name *	COM1
Baud Rate *	921600
Data Bits *	5
Stop Bits *	1
Parity Bits *	Even
SMS Center Number	
SIM PIN	
ServiceDesk Mobile Numbers *	9876543210

Note: Please Enter Multiple Mobile numbers separated by Comma(,.)

[Test Message Settings](#) [Save](#) [Reset](#)

## Operation

1. Select the device type as Mobile Phone or Modem
2. Select the assigned port name where the device is connected
3. Select the Baud Rate from the dropdown list provided. Baud rate is a measure for data transmission speed, which shows the number of signals transmitted per second.
4. Select the data bits from the dropdown list
5. Select the stop bits from the dropdown list
6. Select the parity bits from the dropdown list
7. Enter the SMS center number and SIM PIN if the device type is selected as Modem
8. Enter the Service Desk Mobile Numbers to whom the SMS alert is sent. An option is also provided to create multiple number
9. Click Test message settings to test whether the settings keyed in are correct.

10. To clear the information provided in the settings menu click Clear Mobile Phone settings from the database menu

## Defining Organization – Domain

The below fig. shows the Domain Entry screen. The domain entry screen is to create the domains running in the organization. Discovery of the Assets and Bulk update of user can be done if the domains are created.



The screenshot shows a software interface for managing domains. The title bar reads "Admin > Organization > Domain". The main area is titled "Domain" and contains a table with a single column for "Domain Name". The table has 6 rows, each with a edit icon (pencil) and a value: WORKGROUP, Techconet.co.in, INSTIL.CO, xena.com, and instil.com. At the bottom of the table, there are navigation buttons: "Page 1 of 1", "Records 1 - 5 of 5", "1", "Goto", and a dropdown menu set to "1".

## Operation

1. Click New to add a Domain.
2. Enter the domain name
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.

## Defining Organization – Calendar

This form is used to create the holidays of the organization. When an incident is raised by the user, the SD assigns it to the technician or vendor. By defining the holidays, the SLA will be calculated accordingly

Admin > Organization > Organization Calendar

**Organization Calendar**

**New**

**Filtering**

	Date	Day	Description	Type
	01/01/2011	Saturday	New Year	PUBLIC
	12/25/2011	Sunday	christmas	PUBLIC

Page 1 of 1 | Records 1 - 2 of 2 | 1 | Goto | 1

## Operation

1. Click New for adding a Holiday entry.
2. Select the date from the date-time picker.
3. Enter the description of the Holiday.
4. Select the holiday type as public or private.
5. Click Save button to save the entry created.
6. To clear the fields, click Reset button.
7. To update an existing record, select the record from the list and perform the required changes and click update.
8. To delete an existing record, select the record from the list and click delete.

## Defining Organization – Working Hours

This form is used to create the working hours of the organization. When an incident is raised by the user, the SD assigns it to the technician or vendor. By defining the working hours, the SLA will be calculated accordingly

Admin > Organization > Organization Hour

**Organization Hour**

<input type="checkbox"/> Days	Start Time [Hh:mm AM/PM]	End Time [Hh:mm AM/PM]
<input type="checkbox"/> Sunday		
<input checked="" type="checkbox"/> Monday	09:00 AM	06:00 PM
<input checked="" type="checkbox"/> Tuesday	09:00 AM	06:00 PM
<input checked="" type="checkbox"/> Wednesday	09:00 AM	06:00 PM
<input checked="" type="checkbox"/> Thursday	09:00 AM	06:00 PM
<input checked="" type="checkbox"/> Friday	09:00 AM	06:00 PM
<input checked="" type="checkbox"/> Saturday	09:00 AM	06:00 PM

**Save** | **Reset**

1. Enable the working days of the organization.
2. Enter the start time and end time of each working day.
3. Click Save button to save the entry created.

## Defining Organization – Department

A department is an individual functional unit of any organization. For example Account, Finance, Marketing, Information Technology etc., are all considered as departments. Once InsTIL is integrated with the ADS the department details are automatically added to the department masters

Admin > Organization > Department

**Department**

<b>New</b>	Department
	CORPORATE
	Directors
	SDP
	SDPL
	SALES
	ITIL
	Enterprise Solutions
	Moss
	ERP
	Overseas Sales

Page 1 of 2 | Records 1 - 10 of 12 | **1** | **2** | **»** | **»»** | Goto | **1** **▼**

## Operation

1. Click New.
2. Enter the department name.

3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete.

## Defining Organization – Country

The below fig. shows the option to create the country name, where the organization is created. This will be helpful to map the Asset. Once InstIL is integrated with the ADS the country details are automatically added to the country masters.



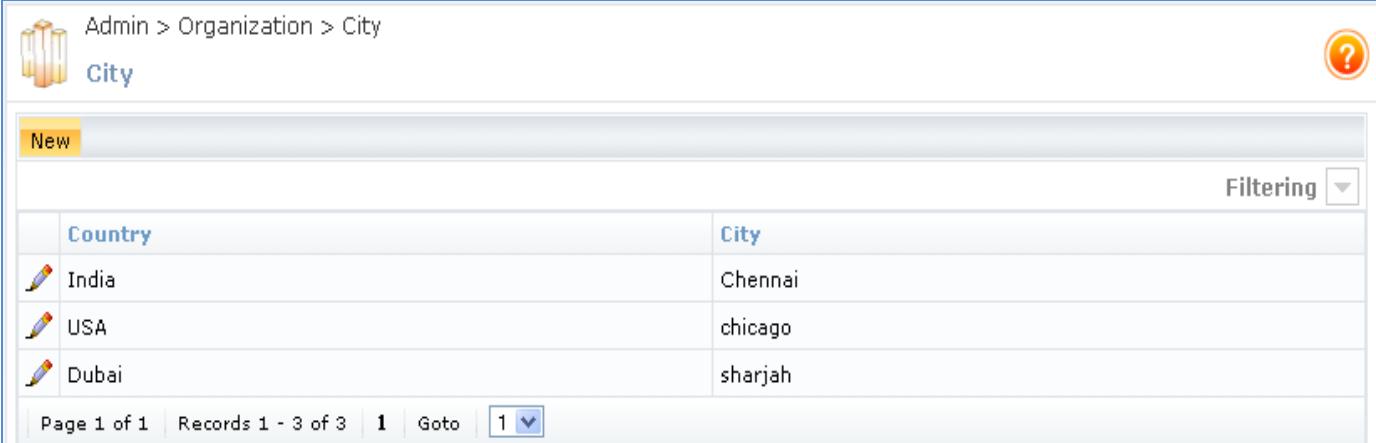
Country	
	India
	USA
	Dubai

## Operation

1. Click New
2. Enter the Country name.
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete.

## Defining Organization – City

The city where the organization is located is created using this option. The below fig shows how to add a new city



Country	City
India	Chennai
USA	chicago
Dubai	sharjah

## Operation

1. Click New
2. Enter the city name and select the country name from the drop down list
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete.

## Defining Organization – Location

An organization may have multiple sites in the form of branches, cost Centre etc. This screen provides the user to create the location name and link it with the city where the location is situated.

Admin > Organization > Location

**Location**

New

Filtering

Country	City	Location
Dubai	sharjah	stanford
Dubai	sharjah	AL Minar
India	Chennai	T-Nagar

Page 1 of 1 | Records 1 - 3 of 3 | 1 | Goto | 1 ▾

## Operation

1. Click New
2. Enter the location name and select the city name from the drop down list
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete

## Defining Organization – Floor & Bay

Floor and Bay master is created the same way as we created the other master records. Since, these two are self-explanatory, not much is described here. Bay represents the area within the floor of an organization.

Admin > Organization > Floor

**Floor**

New

Filtering ▾

	Country	City	Location	Floor
	India	Chennai	T-Nagar	1st Floor
	Dubai	sharjah	stanford	Gnd Floor

Page 1 of 1 | Records 1 - 2 of 2 | 1 | Goto | 1 ▾

## Operation - Floor

1. Click New
2. Enter the floor name and select the location from the drop down list
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.
5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete.

## Operation – Bay

Admin > Organization > Bay

**Bay**

New

Filtering ▾

	Country	City	Location	Floor	Bay
	Dubai	sharjah	stanford	Gnd Floor	Accounts
	India	Chennai	T-Nagar	1st Floor	Human Resources

Page 1 of 1 | Records 1 - 2 of 2 | 1 | Goto | 1 ▾

1. Click New
2. Enter the Bay name and select the location and floor from the drop down list
3. Click Save button to save the entry created.
4. To clear the fields, click Reset button.

5. To update an existing record, select the record from the list and perform the required changes and click update.
6. To delete an existing record, select the record from the list and click delete.

## Defining Organization – Vendor

The Vendor details of the organization are created in the Vendor master. The contact details and the SLA details of the vendor can also be added.

Admin > Organization > Vendor

**Vendor**

General	Contact Details	SLA Details	
Name *	Precision Infomatic	Phone No	42199500
Address *	No.:22, 1st Floor, Habibullah Road, T.Nagar, Chennai - 600 017.	Fax No	42199500
City *	Chennai	Vendor Escalation 1(E-Mail Id) *	sales@instilservicedesk.co
Pincode	600017	Vendor Escalation 2(E-Mail Id)	
		Vendor Escalation 3(E-Mail Id)	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

Admin > Organization > Vendor

**Vendor**

General	Contact Details	SLA Details																			
Contact Name *	Solly	Phone No	42199500																		
Address	22, Habibullah Road, T.Nagar, Chennai	Contact Description																			
City	Chennai	Fax No																			
Mobile No	9988997777	Mail Id *	solly@precisionit.co.in																		
<input type="button" value="Update"/>																					
<table border="1"> <thead> <tr> <th></th> <th>Name</th> <th>Address</th> <th>City</th> <th>Phone No</th> <th>Mobile No</th> <th>Fax No</th> <th>Mail Id</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td></td> <td>Solly</td> <td>22, Habibullah Road, T.Nagar, Chennai</td> <td>Chennai</td> <td>42199500</td> <td>9988997777</td> <td></td> <td>solly@precisionit.co.in</td> <td></td> </tr> </tbody> </table>			Name	Address	City	Phone No	Mobile No	Fax No	Mail Id	Description		Solly	22, Habibullah Road, T.Nagar, Chennai	Chennai	42199500	9988997777		solly@precisionit.co.in		<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	
	Name	Address	City	Phone No	Mobile No	Fax No	Mail Id	Description													
	Solly	22, Habibullah Road, T.Nagar, Chennai	Chennai	42199500	9988997777		solly@precisionit.co.in														

General	Contact Details	SLA Details																
SLA Type *	<input checked="" type="radio"/> Category <input type="radio"/> Call Category	Response Time * <input type="text" value="00:15"/> [HH:MM] Resolution Time * <input type="text" value="00:30"/> [HH:MM] Up Time * <input type="text" value="99"/> From Date * <input type="text" value="04/11/2011"/>  To Date * <input type="text" value="04/11/2012"/> 																
SLA For *	<input type="text" value="Desktop"/>	Status * <input type="text" value="Active"/>																
<input type="button" value="Update"/>																		
<table border="1"> <thead> <tr> <th>SLA Type</th> <th>SLA For</th> <th>Response Time</th> <th>Resolution Time</th> <th>Uptime</th> <th>Start Date</th> <th>End Date</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td> Category</td> <td>Desktop</td> <td>00:15</td> <td>00:30</td> <td>99</td> <td>04/11/2011</td> <td>04/11/2012</td> <td>Active</td> </tr> </tbody> </table>			SLA Type	SLA For	Response Time	Resolution Time	Uptime	Start Date	End Date	Status	 Category	Desktop	00:15	00:30	99	04/11/2011	04/11/2012	Active
SLA Type	SLA For	Response Time	Resolution Time	Uptime	Start Date	End Date	Status											
 Category	Desktop	00:15	00:30	99	04/11/2011	04/11/2012	Active											
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>																		

## Operation

1. Click New
2. Enter the Vendor name, address and the Vendor Escalation Email Id
3. Click Contact details tab
4. Enter the contact name , mobile number and other details of the Vendor
5. Click Add to save the entry created
6. Click SLA details tab
7. Select the SLA type as Call Category or Category
8. Select the SLA for the selected SLA type
9. Enter the response time and resolution time.
10. Enter the Up Time for the SLA
11. Select the From date and To Date for the validity of the SLA with the vendor from the date time picker
12. Select the Status of the SLA
13. Click Add to save the entry created

## Defining Organization – Insurer

The details of various insurers registered with the organization can be created here. The details include general and contact details of the Insurer.

Admin &gt; Organization &gt; Insurer


**Insurer**

General		Contact Details	
Insurer Name *	Birla Sun Life Insurance	Phone No	<input type="text"/>
Address	8 , Pycrofts Road, Egmore,	Fax No	<input type="text"/>
City	Chennai	E-Mail Id *	sales@birlasunlife.com
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

Admin &gt; Organization &gt; Insurer


**Insurer**

General		Contact Details					
Contact Name *	Mr. Steve	Phone No	044-23476543				
Address	8 , Pycrofts Road, Egmore,	Contact Description	<input type="text"/>				
City	Chennai	Fax No	<input type="text"/>				
Mobile No	9876589876	E-Mail Id *	steve@birlasunlife.com				
<input type="button" value="Add"/>							
Name	Address	City	Phone No	Mobile No	Fax No	E-Mail Id	Description
No records found							
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>							

## Operation

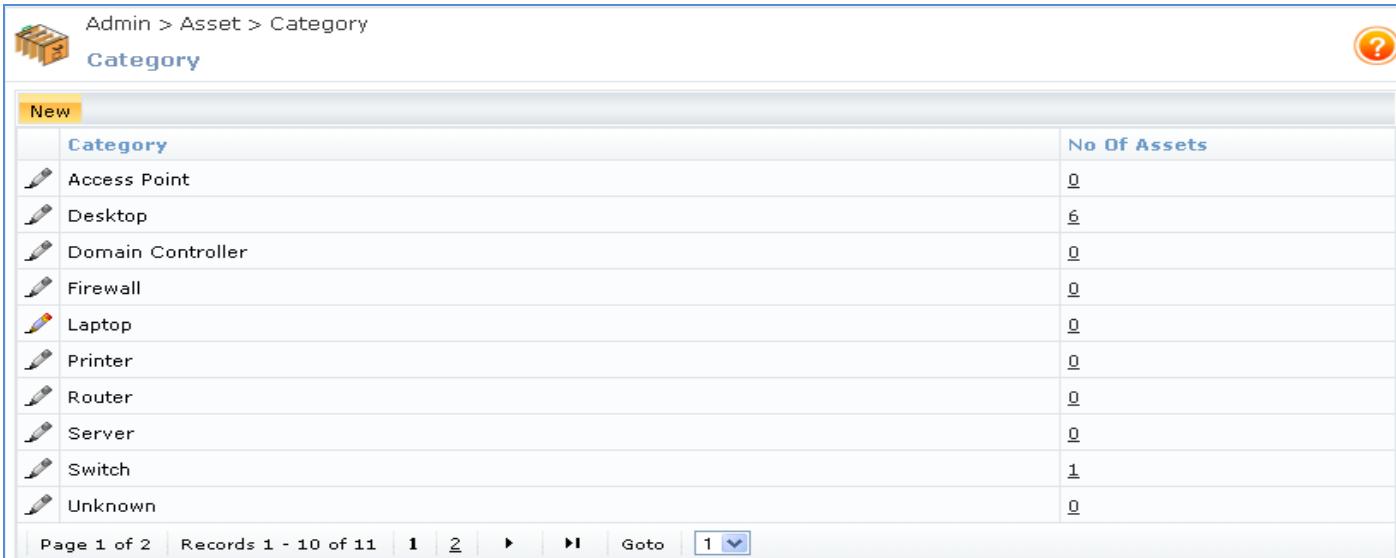
To add a new Insurer perform the following task

1. Click New
2. Enter the Insurer details like Name, Address, Email id etc.
3. Click Contacts tab to enter the contact details of Insurer.
4. Enter Contact Name, Contact Number, Email id etc.
5. Click Add to create contact information.
6. Click Save to save the entry created.

## 4.2 Assets

### Defining Asset –Category

The administrator can define the type or category the Asset belongs to. By default the application defines a basic set of categories for an Asset. The administrator also has the option to create a list of asset categories as applicable. For each asset category the number of assets available is also shown.



Admin > Asset > Category

**Category**

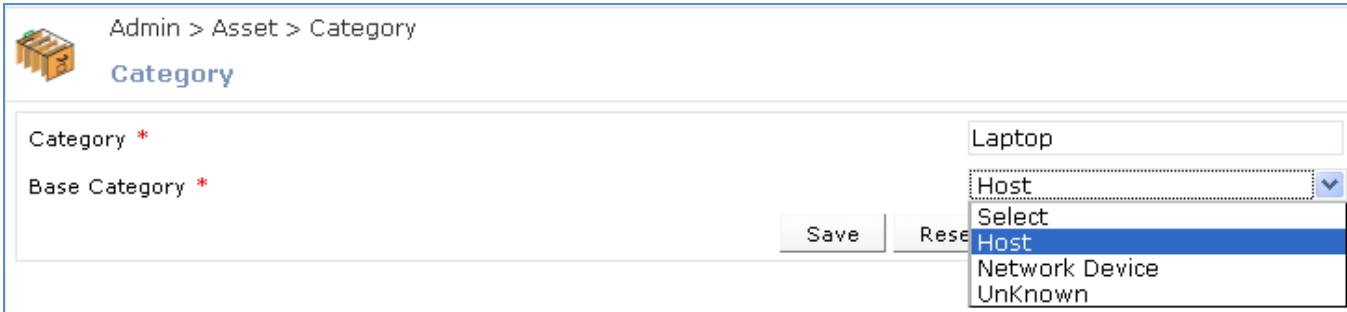
New

Category	No Of Assets
Access Point	0
Desktop	6
Domain Controller	0
Firewall	0
Laptop	0
Printer	0
Router	0
Server	0
Switch	1
Unknown	0

Page 1 of 2 | Records 1 - 10 of 11 | 1 | 2 | ► | ▶ | Goto | 1 ▾

### Operation

The below fig. represents the create option for Asset - Category. The administrator can create the category name as shown in the top panel of the screen



Admin > Asset > Category

**Category**

Category \*

Base Category \*

Laptop

Host

Select

Host

Network Device

UnKnown

Save

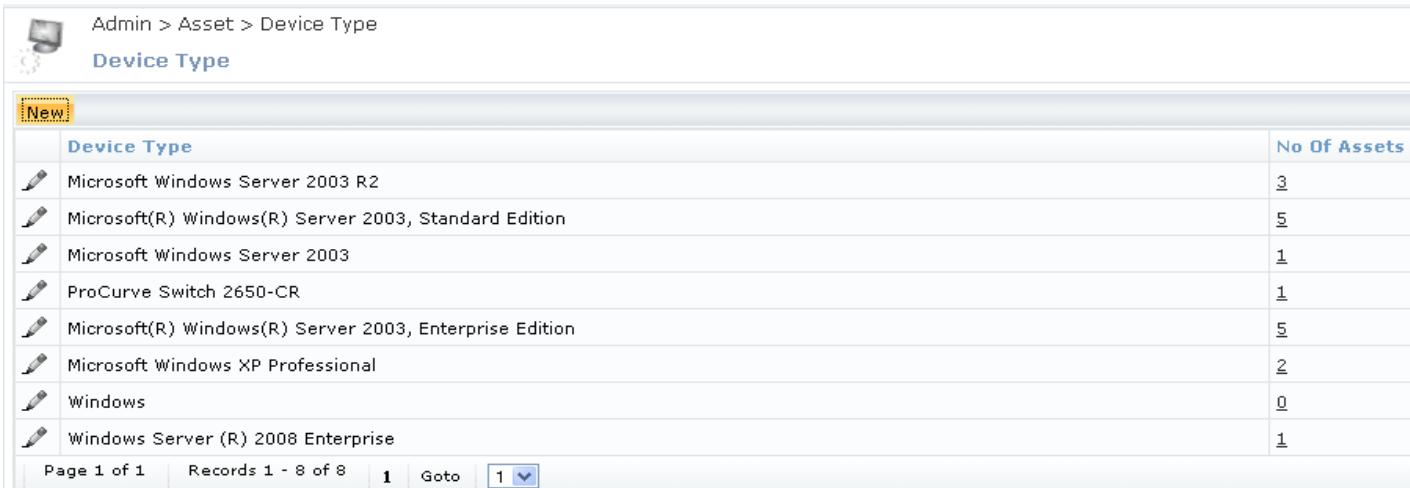
Rese

To add a new category name

1. Click New
2. Enter the category name.
3. Select the base category type from the dropdown list. The base category type defined by default are Host, Network Device and Unknown
4. Click Save button to save the record entered
5. Click Reset button if you need to reset the field entries

## Defining Asset –Device Type

The device type of the assets can be added manually apart from the already discovered device type when the auto discovery process is done. For each device type the number of assets available is also shown.



Admin > Asset > Device Type

**Device Type**

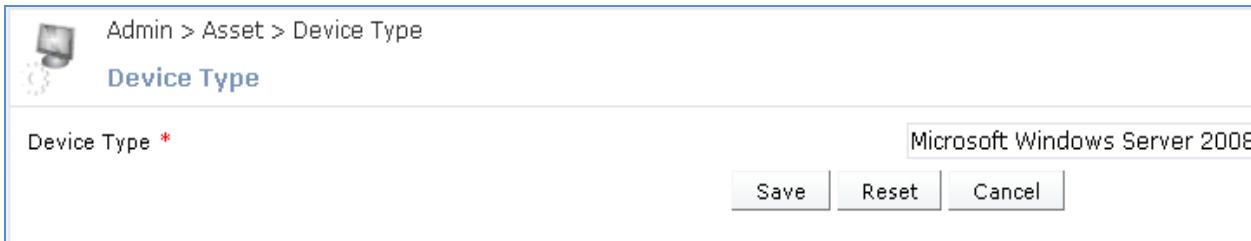
**New**

	Device Type	No Of Assets
	Microsoft Windows Server 2003 R2	3
	Microsoft(R) Windows(R) Server 2003, Standard Edition	5
	Microsoft Windows Server 2003	1
	ProCurve Switch 2650-CR	1
	Microsoft(R) Windows(R) Server 2003, Enterprise Edition	5
	Microsoft Windows XP Professional	2
	Windows	0
	Windows Server (R) 2008 Enterprise	1

Page 1 of 1 | Records 1 - 8 of 8 | 1 | Goto | 1 |

## Operation

The below fig. represents the create option for Asset – Device Type. The administrator can create the Device Type as shown in the top panel of the screen



1. Click New
2. Enter the Device Type
3. Click Save to save the record
4. Click Reset button to reset the entries
5. Click Cancel button to cancel the process.

## Defining Asset –Component

The below fig. represents the create option for Asset - Component. The Components that will be part of the Asset Family can be created here. The application is defined with certain component type for each Asset Category and also additional component can be added. The components created can be mapped to a particular group of assets of the same Part Description.

New	
Category	Component
Access Point	MAC Address, No of Ports,
Desktop	BIOS, CD Rom, Ethernet, Hard Disk, Keyboard, Memory, Monitor, Mother Board, Mouse, Processor, Web Cam,
Domain Controller	BIOS, CD Rom, Ethernet, Hard Disk, Keyboard, Memory, Monitor, Mother Board, Mouse, Processor,
Firewall	CPU, MAC Address, Memory, No of Ports,
Printer	CPU, MAC Address, Memory, No of Ports,
Router	CPU, MAC Address, Memory, No of Ports,
Server	BIOS, CD Rom, Ethernet, Hard Disk, Keyboard, Memory, Monitor, Mother Board, Mouse, Processor, Tape Drive,
Switch	CPU, MAC Address, Memory, No of Ports,
Wireless	MAC Address, No of Ports,

Page 1 of 1 | Records 1 - 9 of 9 | 1 Goto | 1 ▾

## Operation

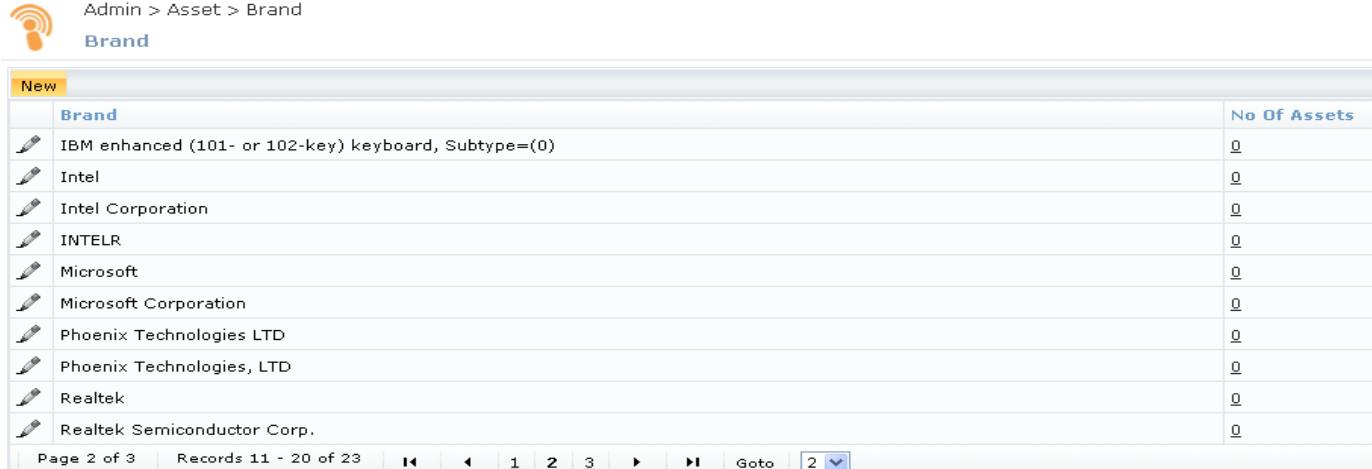
The below fig. represents the create option for Asset –Component. The administrator can create the component name as shown in the top panel of the screen



1. Click New
2. Select the Category name from the drop down list
3. Enter the component name to be linked with the Category type and click Update component
4. Click Save to save the record
5. Click Reset button if you need to reset the field entries

### Defining Asset – Brand

The below fig. represents the create option for Asset – Brand. The brand name provides you a picture of what all brands available at your organization



Brand	No Of Assets
IBM enhanced (101- or 102-key) keyboard, Subtype=(0)	0
Intel	0
Intel Corporation	0
INTELR	0
Microsoft	0
Microsoft Corporation	0
Phoenix Technologies LTD	0
Phoenix Technologies, LTD	0
Realtek	0
Realtek Semiconductor Corp.	0

### Operation

## To Add a Brand name for the Asset

Admin > Asset > Brand

**Brand**

Brand *	HP
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

1. Click New
2. Mention the Brand name.
3. Click Save to save the record.
4. Click Reset button if you need to reset the field entries

## Defining Asset – Model

The below fig. represents the create option for Asset – Model. The Model name will be helpful at the time of Asset creation to classify the Assets.

Admin > Asset > Model

**Model**

<b>New!</b>	<b>Model</b>	<b>No Of Assets</b>
	AMD Athlon(tm) 64 Processor 3500+	0
	AUO	0
	AWRDACPI	4
	Bluetooth LAN Access Server Driver - Packet Sche	0
	Broadcom NetLink (TM) Gigabit Ethernet - Packet	0
	Hitachi HTS541612J9SA00	0
	HL-DT-ST DVD-ROM GDR8163B	0
	HP Compaq 6710b	0
	HP dx2255 MT(RX332PT)	2
	HP dx2280 MT(KL231PA)	1

Page 1 of 4    Records 1 - 10 of 40    **1** **2** **3** **4** **»** **»** Goto **1** **▼**

## Operation

## To add a new Model name

Admin > Asset > Model		
Model		
New	Model	No Of Assets
	HL-DT-ST CD-ROM GCR-8526B	0
	HL-DT-ST DVDRAM GSA-T20N	0
	HL-DT-ST RW/DVD GCC-4244N	0
	HP 520 Notebook PC(KD078AA#ACJ)	4
	HP Compaq 6720s	1
	HP Compaq dx2300 Microtower	6
	HP Compaq nx6110 (RF639PA#ACJ)	1
	HP Compaq nx6110 (RF641PA#ACJ)	1
	HP Compaq nx6120 (PY811PA#UUF)	1
	HP D290 MT(EM637AV)	1

1. Click New
2. Enter the model name of the Asset – For Example Compaq 6510b
3. Click Save to save the entry created
4. Click Reset button if you need to reset the field entries
5. Click Delete button to delete that particular record

## Defining Asset – Part Description

The below fig. represents the create option for Asset – Part Description. The administrator can create the Part Description for the Family, Brand and the Model of the Asset created. The Part Description will be helpful at the time of Asset creation. When the network scan is performed and assets are discovered the part description master data are automatically captured and added to the master information

Admin &gt; Asset &gt; Part Description

**Part Description**


Part Description		Category	Brand	Model	No Of Assets
	AWRDACPI	Server	Hewlett-Packard	AWRDACPI	1
	Desktop-HP Compaq 6710b	Desktop	Hewlett-Packard	HP Compaq 6710b	0
	Desktop-HP dx2255 MT(RX332PT)	Desktop	Hewlett-Packard	HP dx2255 MT(RX332PT)	1
	Desktop-Microsoft Corporation/Windows 2000	Desktop	Microsoft Corporation	Windows 2000	0
	Domain Controller-HP dx2280 MT(KL231PA)	Domain Controller	Hewlett-Packard	HP dx2280 MT(KL231PA)	0
	Domain Controller-VMware Virtual Platform	Domain Controller	VMware, Inc.	VMware Virtual Platform	1
	HP dx2255 MT(RX332PT)	Desktop	Hewlett-Packard	HP dx2255 MT(RX332PT)	1
	HP dx2280 MT(KL231PA)	Domain Controller	Hewlett-Packard	HP dx2280 MT(KL231PA)	1
	Server-	Server	Hewlett-Packard		3
	Server-AWRDACPI	Server	Hewlett-Packard	AWRDACPI	3

Page 1 of 2 | Records 1 - 10 of 13 | 1 | 2 | > | Goto | 1 |

## Operation

To add a new part-description for the Asset performs the following tasks.

Admin > Asset > Part Description

**Part Description**

Part Description *	Sony Digital
Category *	Camcorders
Brand *	Unknown
Model *	ST380011A

**Other Components**

	Component	Brand	Model	Description
No records found				

1. Click New
2. Enter the Part Description Name - The Part Description will be helpful at the time of Asset creation
3. Select the Category Name from Category Dropdown List box
4. The components related to the selected category will be displayed along with provision to enter the description for each component.
5. Select the Brand name.
6. Select the Model name.

7. Click the Save Button to save the record.
8. Click Reset button if you need to reset the field entries

## Defining Asset - Software

The details of the software's available and their procurement details can be added to the Software master. When the network scan is performed and assets are discovered the software master data are automatically captured and added to the master information. The administrator can also find the no of assets in which particular software is installed.

Admin > Asset > Software

**Software**

**[New]**

Searching and F

	Name	Publisher	Version	No Of
	2007 Microsoft Office System Servers Service Pack 1 (SP1)	Microsoft		18
	Acrobat.com	Adobe Systems Incorporated	0.0.0	2
	Adobe AIR	Adobe Systems Inc.	1.0.8.4990	4
	Adobe Common File Installer	Adobe System Incorporated	1.00.0000	1
	Adobe Flash Player 10 ActiveX	Adobe Systems Incorporated	10.0.12.36	3
	Adobe Flash Player 10 Plugin	Adobe Systems Incorporated	10.2.159.1	10
	Adobe Flash Player ActiveX	Adobe Systems Incorporated	9.0.124.0	3
	Adobe Help Center 1.0	Adobe Systems	001.000.000	1
	Adobe Photoshop CS2	Adobe Systems, Inc.	9.0	2
	Adobe Reader 7.0	Adobe Systems Incorporated	7.0.0	8

Page 1 of 67 | Records 1 - 10 of 669 | 1 2 3 4 5 6 7 8 9 10 ► ► Goto | 1 ▾

## Operation

To add a new software perform the following tasks

Admin > Asset > Software

**Software**

**General** **Procurement Details**

Software Name \*

Publisher \*

Version \*

**Save** **Reset** **Cancel**

Admin > Asset > Software  
**Software**

General	Procurement Details
No. Of License *	4
Product Key *	GJIO9000KHYUU
Purchase Date *	05/11/2011
Expiry Date *	05/01/2015
<input type="button" value="Update"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

- a. Click New
- b. In the General tab enter the name of the software, publisher name and the software version
- c. Click Procurement Details tab and enter the following information
  - i. No of License
  - ii. Product Key
  - iii. Purchase Date
  - iv. Expiry Date
- d. Click Save to Save the entry created
- e. Click Reset to clear the entries created.

## Defining Asset - Asset Group

The below fig. represents the create option for Asset – Asset Group. The administrator can create the Asset Group for which the service level agreement (SLA) applies. Asset group can be a division or a department or a cost center of an organization for which the service level expectation can be defined. Service level is divided into response and resolution. Response is the time frame within which the service has to be attended and Resolution is the time frame within which the problem needs to be solved. Up time is percentage of time that system has to be active.

## Operation

To add a new Asset Group perform the following Tasks

Admin > Asset > Asset Group

**Asset Group**

Asset Group \* Desktop

**SLA Details**  Add SLA

Response Time *	00:30 [HH:MM]
Resolution Time *	01:00 [HH:MM]
Up Time *	99 [%]
From Date *	04/11/2011 

Save Reset Cancel

1. Click New
2. Enter the Asset group name for defining the SLA . Example: Server Assets
3. Enable Add SLA
4. Enter the Response Time for SLA- The time frame within which the service has to be attended
5. Enter the Resolution Time for SLA- The time frame within which the problem needs to be solved.
6. Enter the Up Time for the Asset Group
7. Enter From Date
8. Click Save Button to save the Asset group created
9. Click Reset button if you need to reset the field entries

### Asset SLA Bulk Update

This option is helpful when an SLA is to be applied to a particular group of assets. All those assets can be selected and applied with a specific SLA.

\* Asset Group SLA Bulk Update

Asset Group Name*	Select 	Remarks	
SLA	Desktop		
Response Time*	<input type="text"/> [HH:MM]	Resolution Time*	<input type="text"/> [HH:MM]
UpTime*	<input type="text"/> [%]	Date Of Expiry *	<input type="text"/> 

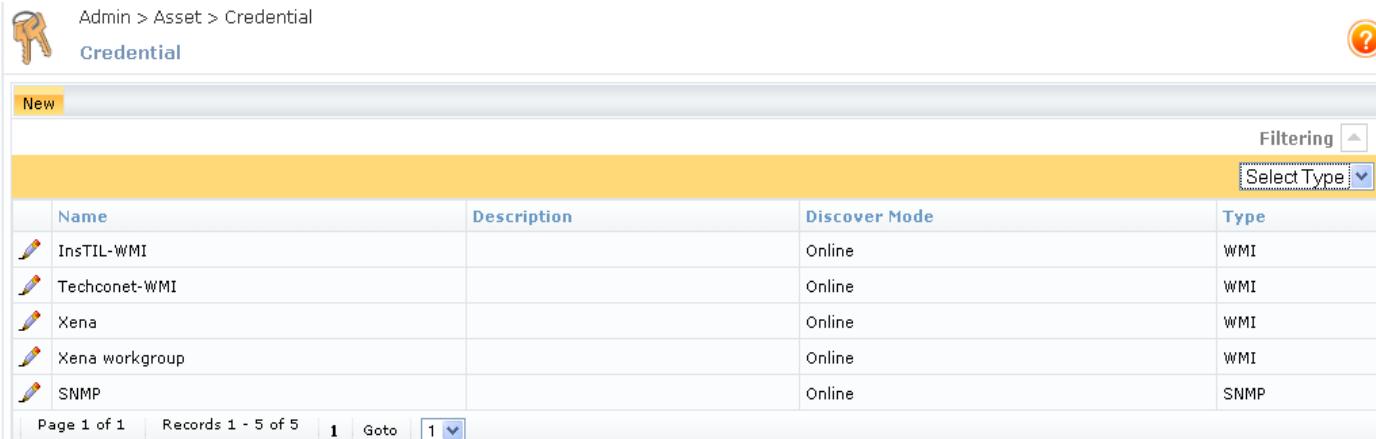
Update Reset Cancel

### Operation

1. Click on Action and select Asset SLA Bulk update
2. Select the Asset Group name for which the SLA is to be updated
3. Enter the Response Time for SLA- The time frame within which the service has to be attended
4. Enter the Resolution Time for SLA- The time frame within which the problem needs to be solved.
5. Enter the Up Time for the Asset Group
6. Select the Date of Expiry
7. Select the assets for which the SLA applies.
8. Click Save Button to save the SLA updates
9. Click Reset button if you need to reset the field entries

### Defining Asset – Credentials

This form is used to create credentials for the purpose of doing auto discovery. There are two types of credentials that are defined a. WMI credential b. SNMP credential



Admin > Asset > Credential				
Credential				
New				
			Filtering	
			Select Type	
	Name	Description	Discover Mode	Type
	InstTIL-WMI		Online	WMI
	Techconet-WMI		Online	WMI
	Xena		Online	WMI
	Xena workgroup		Online	WMI
	SNMP		Online	SNMP

Page 1 of 1 | Records 1 - 5 of 5 | 1 | Goto | 1 |

### Steps to create SNMP credential

1. Click Add new credential
2. Enter an SNMP credential name
3. Select SNMP
4. Enter the community string value as public
5. Enter the timeout as 2000 (milli seconds)
6. Click Save to save the credential created

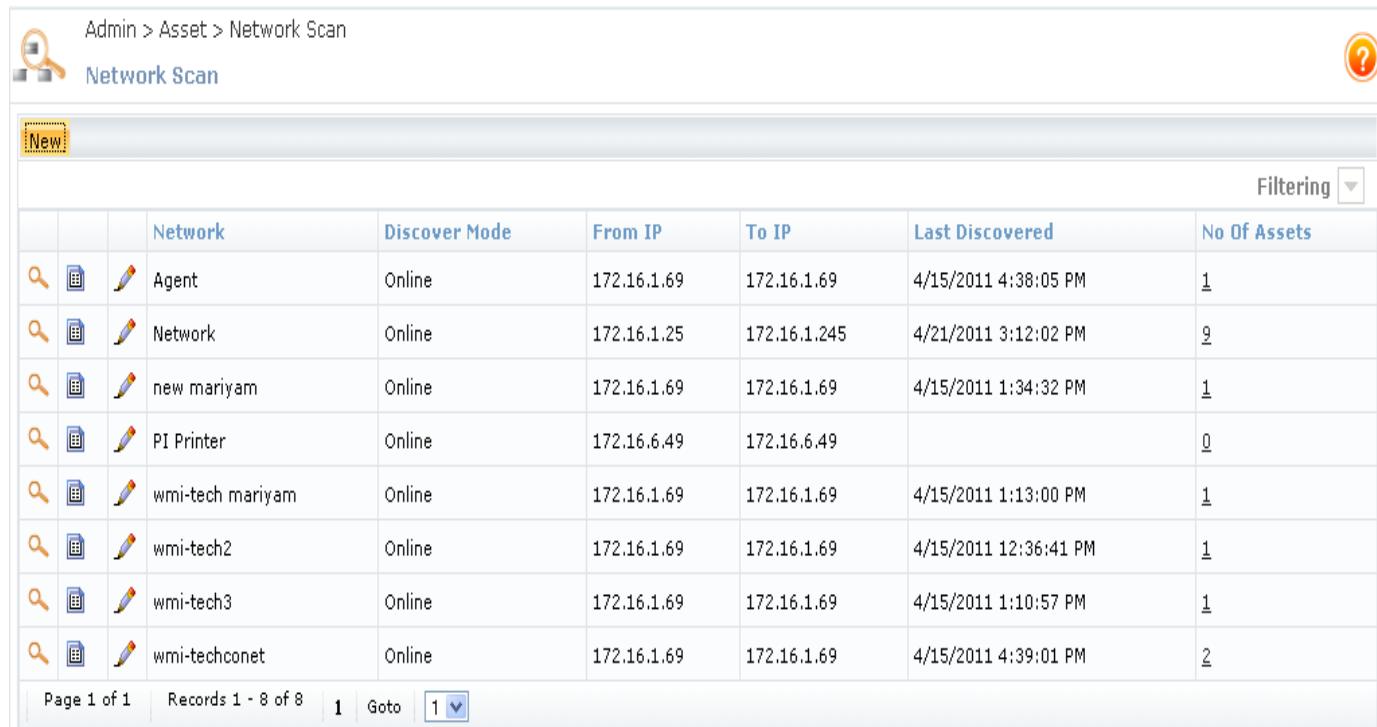
## Steps to create WMI credential

1. Click Add new credential
2. Enter a WMI credential name
3. Select WMI
4. In WMI the credentials are created through workgroup or domain
5. Click on Domain as credential type and select the domain name from the dropdown list
6. Enter the domain administrator username and password
7. Click Save to save the credential created

## Defining Asset – Network scan

This feature enables the administrator to scan the available networks and discover all the devices with a range of IP's. Both the WMI and SNMP devices that have been discovered can be imported into the application.

Admin > Asset > Network Scan



The screenshot shows a table of discovered assets. The columns are: Network, Discover Mode, From IP, To IP, Last Discovered, and No Of Assets. The data is as follows:

	Network	Discover Mode	From IP	To IP	Last Discovered	No Of Assets
	Agent	Online	172.16.1.69	172.16.1.69	4/15/2011 4:38:05 PM	1
	Network	Online	172.16.1.25	172.16.1.245	4/21/2011 3:12:02 PM	9
	new mariyam	Online	172.16.1.69	172.16.1.69	4/15/2011 1:34:32 PM	1
	PI Printer	Online	172.16.6.49	172.16.6.49		0
	wmi-tech mariyam	Online	172.16.1.69	172.16.1.69	4/15/2011 1:13:00 PM	1
	wmi-tech2	Online	172.16.1.69	172.16.1.69	4/15/2011 12:36:41 PM	1
	wmi-tech3	Online	172.16.1.69	172.16.1.69	4/15/2011 1:10:57 PM	1
	wmi-techconet	Online	172.16.1.69	172.16.1.69	4/15/2011 4:39:01 PM	2

Page 1 of 1    Records 1 - 8 of 8    1    Goto    1

## Operation

To add a new network perform the following tasks

Admin > Asset > Network Scan

 Network Scan

Network *	wmi-domain.co.in
Discover Mode *	Online
From IP	192.178.2.1
To IP	192.178.2.254
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

1. Click New
2. Enter the Network name and select the Discover Mode from dropdown list
3. Enter the range of IP's within this network.
4. Click Save button to save the record.
5. Click Delete button to delete the record.
6. Click Reset button to reset the entries.
7. Select the Domain and click the Start Scanning button in the below fig

**Network Scan**

Network Name *	Instil																
Starting IP Address *	172.16.1.49																
Ending IP Address *	172.16.1.245																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Name</th> <th>Description</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>WMI - INSTIL.COM</td> <td></td> <td>WMI</td> </tr> <tr> <td><input type="checkbox"/></td> <td>WMI - TECHCONET.CO.IN</td> <td></td> <td>WMI</td> </tr> <tr> <td><input type="checkbox"/></td> <td>SNMP</td> <td></td> <td>SNMP</td> </tr> </tbody> </table>			Name	Description	Type	<input checked="" type="checkbox"/>	WMI - INSTIL.COM		WMI	<input type="checkbox"/>	WMI - TECHCONET.CO.IN		WMI	<input type="checkbox"/>	SNMP		SNMP
	Name	Description	Type														
<input checked="" type="checkbox"/>	WMI - INSTIL.COM		WMI														
<input type="checkbox"/>	WMI - TECHCONET.CO.IN		WMI														
<input type="checkbox"/>	SNMP		SNMP														
<input type="button" value="Start Scanning"/> <input type="button" value="Cancel"/>																	

8. Click Import Devices to import the assets into the application.
9. Click Cancel button to terminate the process
10. Click View Scan Result button to get a complete picture of the status for each system in the network.

 Network Scan ?

Import Devices
Cancel
View Scan Result

<input checked="" type="checkbox"/> Device Category	Device Type	IP Address	Name	Status	Previous Category
<input checked="" type="checkbox"/> Router	P-660R-T1v2	172.16.1.6	172.16.1.6	New	-
<input checked="" type="checkbox"/> Switch	techconet	172.16.1.5	172.16.1.5	New	-
<input checked="" type="checkbox"/> Server	WINNT	172.16.1.2	172.16.1.2	New	-

Import Devices
Cancel
View Scan Result

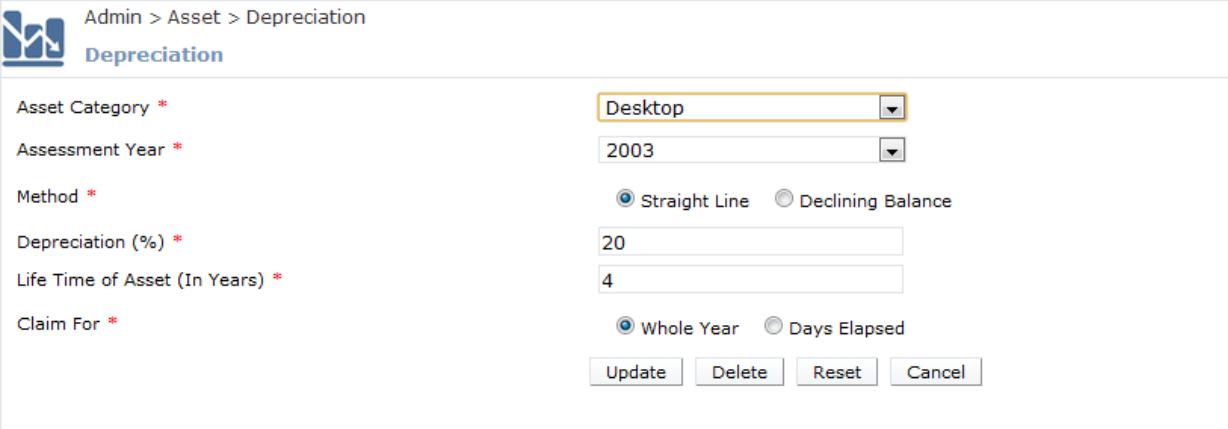
## Defining Asset – Depreciation

Depreciable assets are business assets which can be depreciated. That is, the value of the asset is considered as a business expense over the life of the asset. The ability to expense an asset is useful for tax purposes. Depreciable assets include equipment and other tangible assets. Supplies cannot be depreciated because they are considered to be used within a single year and they are expensed during that year.

There are two methods by which the depreciation of an asset can be calculated 1. Straight Line Method 2. Declining Balance Method

**Straight Line Method** - The simplest and most commonly used depreciation method, straight line depreciation is calculated by taking the purchase or acquisition price of an asset subtracted by the salvage value divided by the total productive years the asset can be reasonably expected to benefit the company.

**Declining Balance Method** - The reducing balance method of depreciation provides a high annual depreciation charge in the early years of an asset's life but the annual depreciation charge reduces progressively as the asset ages.



Admin > Asset > Depreciation

**Depreciation**

Asset Category \*: Desktop

Assessment Year \*: 2003

Method \*:  Straight Line  Declining Balance

Depreciation (%): 20

Life Time of Asset (In Years) \*: 4

Claim For \*:  Whole Year  Days Elapsed

Update Delete Reset Cancel

## Operation

1. Click New
2. Select the Asset category from the dropdown for which the depreciation value is to be defined
3. Select the Assessment year from which the depreciation value to be calculated
4. Select the depreciation method as either Straight line or Declining Balance method
5. Enter the depreciation percentage value
6. Enter the Life Time of Assets in years
7. Select the Claim value to be calculated in terms of Whole year or Days elapsed
8. Click Update so the depreciation value is calculated for the selected Asset Category

## Defining Asset –Asset

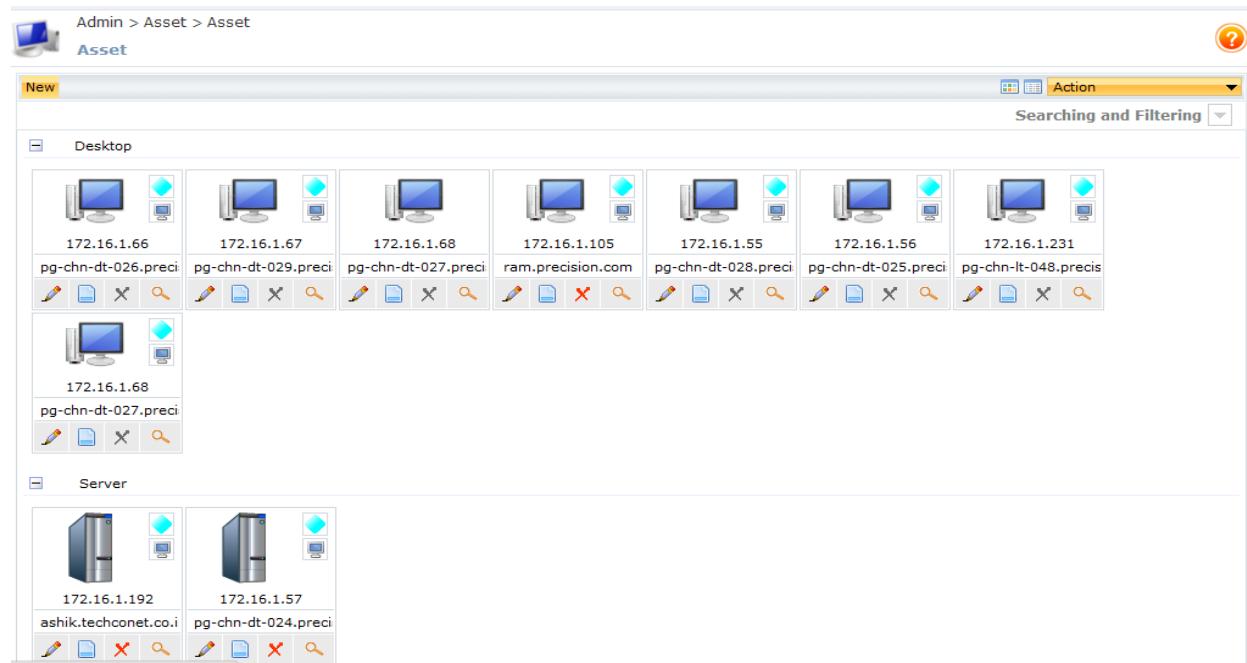
The below fig. shows the create option for Asset. Asset Management is generally concerned with the identification and recording of items of corporate infrastructure for financial control purposes. The administrator has to create the Asset for the user so that the user could log in incident for his / her asset. The InsTIL system can also be used for Availability, Performance, Interface Monitoring and Alerts of critical IT Assets.

This asset entry forms the basis of all activities done at the service desk and by the technician. The assets configuration detail, location detail, purchase and support details are recorded in this form. The AMC bulk update feature is provided for updating the AMC of the assets to warranty. The administrator has the provision to create custom based templates for pulling out information related to the assets. These templates can be created based on the administrator's needs. The screen shown below is self-explanatory as the admin is required to provide information related to the serial number that asset

carries. Audit number is something most organization follow, it is a sequential numbering system followed within the organization and the assets are identified by their internal IT department by this number. Select the Family, Part and the Asset group which this asset belong to, from the drop down list. If the asset is a Server or a desktop, specify the OS License number. Similarly, the location where the asset is installed can also be provided as shown in the screen. All the asset entries that are mandatory are marked with an asterisk. The assets are discovered on both Windows and Linux platforms. The administrator can also track the hardware and software changes that have been affected for a particular asset in the form of baselines. The information related to the insurance and depreciation value for each assessment year can be viewed in the administrator menu. The user and assets are linked automatically based on the windows login and this feature can be enabled only for Active directory environment. The assets discovered through network scan will be available in the asset list.

The asset menu has also certain other purpose like a. AMC Bulk Update b. Custom Report c. Import from CSV d. Copy from last entry e. Delete f. Auto link Users and Assets. The Asset menu can be viewed in two forms namely Thumbnail view and Detail view

### Thumbnail View



**Desktop**

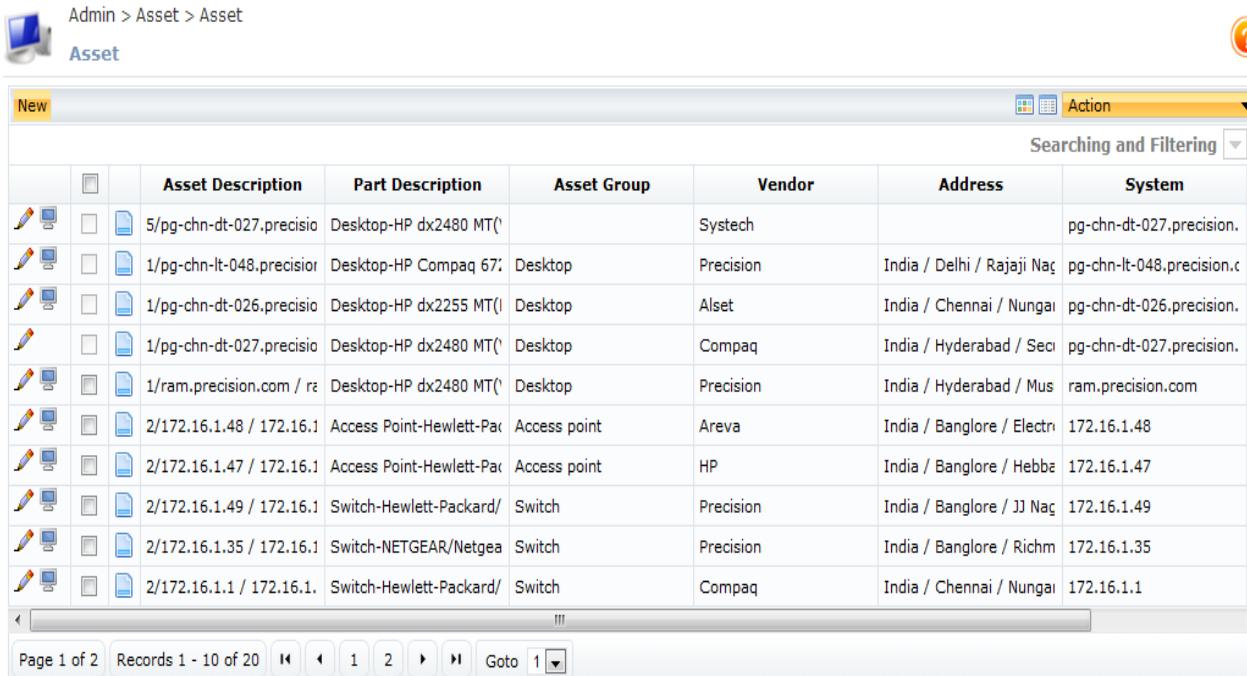
172.16.1.66 pg-chn-dt-026.preci	172.16.1.67 pg-chn-dt-029.preci	172.16.1.68 pg-chn-dt-027.preci	172.16.1.105 ram.precision.com	172.16.1.55 pg-chn-dt-028.preci	172.16.1.56 pg-chn-dt-025.preci	172.16.1.231 pg-chn-lt-048.precis
172.16.1.68 pg-chn-dt-027.preci						

**Server**

172.16.1.192 ashik.techconet.co.i	172.16.1.57 pg-chn-dt-024.preci
--------------------------------------	------------------------------------

## Detailed View

Admin > Asset > Asset



The screenshot shows a list of assets with the following data:

		Asset Description	Part Description	Asset Group	Vendor	Address	System
	<input type="checkbox"/>	5/pg-chn-dt-027.precision	Desktop-HP dx2480 MT()		Systech		pg-chn-dt-027.precision.
	<input type="checkbox"/>	1/pg-chn-lt-048.precision	Desktop-HP Compaq 67	Desktop	Precision	India / Delhi / Rajaji Nag	pg-chn-lt-048.precision.c
	<input type="checkbox"/>	1/pg-chn-dt-026.precision	Desktop-HP dx2255 MT()	Desktop	Alset	India / Chennai / Nungai	pg-chn-dt-026.precision.
	<input type="checkbox"/>	1/pg-chn-dt-027.precision	Desktop-HP dx2480 MT()	Desktop	Compaq	India / Hyderabad / Seci	pg-chn-dt-027.precision.
	<input type="checkbox"/>	1/ram.precision.com / r	Desktop-HP dx2480 MT()	Desktop	Precision	India / Hyderabad / Mus	ram.precision.com
	<input type="checkbox"/>	2/172.16.1.48 / 172.16.1	Access Point-Hewlett-Packard	Access point	Areva	India / Banglore / Electr	172.16.1.48
	<input type="checkbox"/>	2/172.16.1.47 / 172.16.1	Access Point-Hewlett-Packard	Access point	HP	India / Banglore / Hebba	172.16.1.47
	<input type="checkbox"/>	2/172.16.1.49 / 172.16.1	Switch-Hewlett-Packard/	Switch	Precision	India / Banglore / JJ Nag	172.16.1.49
	<input type="checkbox"/>	2/172.16.1.35 / 172.16.1	Switch-NETGEAR/Netgear	Switch	Precision	India / Banglore / Richm	172.16.1.35
	<input type="checkbox"/>	2/172.16.1.1 / 172.16.1.	Switch-Hewlett-Packard/	Switch	Compaq	India / Chennai / Nungai	172.16.1.1

Page 1 of 2 Records 1 - 10 of 20 [First](#) [Previous](#) [1](#) [2](#) [Next](#) [Last](#) Goto  [Go](#)

## Operation

To add a new asset manually perform the following task

### General

Admin > Asset > Asset

**Asset**

Action

General		Purchase & Support		Depreciation		Insurance		Hardware		Software		Baseline	
Configuration Details				Location Details									
Asset Serial Number *	milkyway.techconet.co.in	Department	STORES	Country	India	City	Delhi	Location	Old Airport Road	Floor	III	Bay	Select
Audit Serial Number *	2/milkyway.techconet.co.in												
Category *	Domain Controller												
Device Type *	Microsoft(R) Windows(R) Ser												
Part Description *	Domain Controller-VMware \												
Asset Group	Domain controller												
Status	Active												
Network Name	Laksh - Techconet												
System Name	milkyway.techconet.co.in	<input type="button" value=""/>											
Tracking Date * <input checked="" type="radio"/> System Date <input type="radio"/> User Specified <input type="text" value="07/26/2012"/> <input type="button" value=""/>													
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>													

## Operation

1. Click New
2. Enter the Asset Serial Number – Asset serial number is the inbuilt serial number of the assets
3. Enter Audit Serial Number.
4. Select the Category name from the dropdown list
5. Enter the Device type which the Asset belongs to.
6. Select the Part description from the dropdown list.
7. Select the Asset Group from the dropdown list
8. Select the status from the dropdown list.
9. Enter the System name –To auto discover the hardware and software components
10. Enter the Network Name from the dropdown list.
11. Enter the location detail of the asset – Country, City, Location, Floor, Bay and Department.

## Purchase and Support

The assets purchase and support details are entered in this tab. If the asset is under warranty then, the user is allowed to key in the purchase detail. If the asset is under AMC, then the user is allowed to key in the vendor detail.

Admin > Asset > Asset

**Asset**

Action

General		Purchase & Support		Depreciation		Insurance		Hardware		Software		Baseline									
<input checked="" type="radio"/> Warranty <input type="radio"/> AMC <input type="radio"/> No Coverage																					
Purchase Details						Support Details															
Source/Supplier Name	Symbiotic	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Start Date	06/25/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
End Date	06/25/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Cost	985641	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Purchase Order No	ASDFFER345	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Purchase Date	03/12/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Invoice No	SWER32	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Invoice Date	07/26/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Date of Installation	07/26/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Payment Voucher No	QW23453	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Payment Date	07/26/2012	Support/Contract Name	Select	Start Date	06/25/2012	End Date	06/25/2012	Cost	985641	Contract Order No		Contract Date	03/12/2012	Invoice No	SWER32	Invoice Date	07/26/2012	Payment Voucher No	QW23453	Payment Date	07/26/2012
Tracking Date * <input checked="" type="radio"/> System Date <input type="radio"/> User Specified 07/26/2012 <input type="button" value="Calendar"/>																					
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>																					

## Operation

1. Select Warranty/AMC/No Coverage
2. Enter the purchase detail of the asset like the Source/Supplier name, PO Number, Start date, end date of the warranty period, etc.
3. If AMC, enter the support details like the Support/Contract name, PO number, start date, end date of the AMC period, etc.
4. If No Coverage, both the purchase and support details can be entered.

## Depreciation

The depreciation value for the entire life time of an asset is automatically calculated and displayed here. The administrator also has the privilege to change the type of depreciation method and find the value for each asset

Admin > Asset > Asset

**Asset**

Action

General Purchase & Support Depreciation Insurance Hardware Software Baseline

Depreciation Details

Assessment Year *	2000																																																										
Method *	<input checked="" type="radio"/> Straight Line <input type="radio"/> Declining Balance																																																										
Depreciation (%) *	20																																																										
Life Time of Asset (In Years) *	4																																																										
Claim For *	<input checked="" type="radio"/> Whole Year <input type="radio"/> Days Elapsed																																																										
<input type="button" value="Preview"/>																																																											
<table border="1"> <tr> <td>Purchase Value</td> <td>600000</td> <td>Date of Purchase</td> <td>31-Mar-2000</td> </tr> <tr> <td>Financial Year</td> <td>1-April to 31-March</td> <td>Current Date</td> <td>26-Jul-2012</td> </tr> <tr> <td>Start Date</td> <td>Book Value at the beginning of the year</td> <td>Depreciation (%)</td> <td>Depreciation Value</td> <td>Accumulated Depreciation</td> <td>End Date</td> <td>Book Value at the end of the year</td> <td>Method</td> <td>Claim For</td> <td>Life Time of Asset</td> </tr> <tr> <td>01-Apr-1999</td> <td>600000</td> <td>20</td> <td>120000</td> <td>120000</td> <td>31-Mar-2000</td> <td>480000</td> <td>Straight Line</td> <td>Whole Year</td> <td>4</td> </tr> <tr> <td>01-Apr-2000</td> <td>480000</td> <td>20</td> <td>120000</td> <td>240000</td> <td>31-Mar-2001</td> <td>360000</td> <td>Straight Line</td> <td>Whole Year</td> <td>4</td> </tr> <tr> <td>01-Apr-2001</td> <td>360000</td> <td>20</td> <td>120000</td> <td>360000</td> <td>31-Mar-2002</td> <td>240000</td> <td>Straight Line</td> <td>Whole Year</td> <td>4</td> </tr> <tr> <td>01-Apr-2002</td> <td>240000</td> <td>20</td> <td>120000</td> <td>480000</td> <td>31-Mar-2003</td> <td>120000</td> <td>Straight Line</td> <td>Whole Year</td> <td>4</td> </tr> </table>		Purchase Value	600000	Date of Purchase	31-Mar-2000	Financial Year	1-April to 31-March	Current Date	26-Jul-2012	Start Date	Book Value at the beginning of the year	Depreciation (%)	Depreciation Value	Accumulated Depreciation	End Date	Book Value at the end of the year	Method	Claim For	Life Time of Asset	01-Apr-1999	600000	20	120000	120000	31-Mar-2000	480000	Straight Line	Whole Year	4	01-Apr-2000	480000	20	120000	240000	31-Mar-2001	360000	Straight Line	Whole Year	4	01-Apr-2001	360000	20	120000	360000	31-Mar-2002	240000	Straight Line	Whole Year	4	01-Apr-2002	240000	20	120000	480000	31-Mar-2003	120000	Straight Line	Whole Year	4
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<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>																																																											

## Insurance

The insurance details of each asset can be viewed in the Insurance tab. The system automatically calculates the Insured Declared value and No claim bonus in percentage for the particular asset.

**Insured Declared Value (IDV)** - Insured Declared Value is the maximum Sum Assured fixed by the insurer which is provided on theft or total loss of the asset.

Admin > Asset > Asset

**Asset**

Action

General Purchase & Support Depreciation Insurance **Insurance** Hardware Software Baseline

Insurance Details

Insurer	Ram
Policy Name	Be Wiser Car Insurance
Policy Number	518456
Duration (Months)	48
Start Date	7/18/2012
End Date	7/18/2016
Total Premium	20000
Premium Paid	1500
IDV (Insured Declared Value)	1500
NCB (No Claim Bonus in Percentage)	15

Tracking Date \*  System Date  User Specified  
 07/26/2012

## Hardware

General Purchase & Support Depreciation Insurance **Hardware** Software Baseline

Last Discovered Date Time: 07/20/2012 04:44 PM

System Information <input type="button" value="Edit"/>		Operating System <input type="button" value="Edit"/>							
IP Address	172.16.1.66	Operating System	Microsoft Windows XP Professional						
System Name	pg-chn-dt-026.precision.com	Build Number	2600						
Brand	Hewlett-Packard	Service Pack	Service Pack 3						
Model	HP dx2255 MT(RX332PT)	Digital Product Id	HR328-JYCKT-86HPM-F23VV-XQ8HD						
Domain	precision.com	Product Id	55274-640-0816616-23679						
BIOS <input type="button" value="Edit"/>		Installed Date	09/15/2009						
Brand	Award Software International, Inc.								
Model									
Serial Number	INI7090ZZ3	Installed Location	C:\WINDOWS						
Version	HPQOEM - 42302e31	Last Logged User							
Manufacturer Date	02/14/2007	Last Logged User	1956						
Processor <input type="button" value="Edit"/>		Last Logged Domain							
<input type="button" value="Edit"/> <input type="button" value="Delete"/> Brand	Model	Clock Speed	Serial Number	Device Description	Family Type				
<input type="button" value="Edit"/> <input type="button" value="Delete"/> AuthenticAMD	AMD Athlon(tm) 64 Processor 3500+	2.21GHz		Processor	x86 Family 15 Model 79 Stepping 2				
Memory <input type="button" value="Edit"/>		<input type="button" value="Add"/>							
<input type="button" value="Edit"/> <input type="button" value="Delete"/> Brand	Model	Slot	Capacity	Serial Number					
<input type="button" value="Edit"/> <input type="button" value="Delete"/>		Slot1	1 GB						
<input type="button" value="Edit"/> <input type="button" value="Delete"/>		Slot2	1 GB						
Ethernet <input type="button" value="Edit"/>		<input type="button" value="Add"/>							
Brand	Model	Address Type	IP Address	Default Gateway	Primary DNS	Secondary DNS	Subnet Mask	DHCP Server	MAC Address
<input type="button" value="Edit"/> <input type="button" value="Delete"/> Realtek	RTL8139 Family PCI Fast Ethernet	StaticIP	172.16.1.66	172.16.1.1	172.16.2.101	202.54.6.60	255.255.255.0		00:16:E6:99:F3:CB

The administrator is given the provision to add component information of the assets like Processor, Memory, Ethernet, Logical drives and Hard disk etc.

## Software

General	Purchase & Support	Depreciation	Insurance	Hardware	Software	Baseline	
Software							New
Software Name	Version	Publisher	Installed Date	Installed Location			
Adobe Flash Player 11 ActiveX	11.2.202.235	Adobe Systems Incorporated					
Adobe Flash Player 11 Plugin	11.3.300.257	Adobe Systems Incorporated					
Adobe Reader 9.5.1	9.5.1	Adobe Systems Incorporated	04/12/2012				
Adobe Shockwave Player 11.6	11.6.4.634	Adobe Systems, Inc.		C:\WINDOWS\system32\Adobe			
AviSynth 2.5							
BATPRB							
Belarc Advisor 8.1							
Bug Tracker 2.9.8 Unlimited User License							
CanSecure-Retail							
Compatibility Pack for the 2007 Office system	12.0.6612.1000	Microsoft Corporation	11/28/2011				
CPUID CPU-Z 1.55			10/08/2010	C:\Program Files\CPUID\CPU-Z\			
Critical Update for Windows Media Player 11 (KB959772)		Microsoft Corporation	10/29/2009				
Crystal Reports Basic for Visual Studio 2008	10.5.0.0	Business Objects	10/09/2009				
EditPlus 2							
Extron Electronics - EDID Manager	1.0.0.14	Extron Electronics	11/02/2010	C:\Program Files\Extron\EDIDManager			
Foxit PDF IFilter	2.1.1.1503	Foxit Software	01/11/2012				
Foxit Reader							
FreshDiagnose			10/27/2010	C:\Program Files\FreshDevices\FreshDiagnose\			
Google Chrome	19.0.1084.56	Google Inc.	04/17/2012	C:\Documents and Settings\LocalService\Local Settings\Application Data\Google\Chrome\Application			
Hotfix for Microsoft .NET Framework 3.5 SP1 (KB953595)	1	Microsoft Corporation					
Hotfix for Microsoft .NET Framework 3.5 SP1 (KB958484)	1	Microsoft Corporation					

The administrator is given the provision to add software information like Software name, Version, Publisher Name and date of installations etc.

## Baseline

The baseline tab indicates information if there is any changes in the hardware and software configuration of the asset. The application sends an alert to the administrator if there are any configuration changes to the assets. This can be enabled in the settings menu of the Administrator.

Admin > Asset > Asset

**Asset**

General Purchase & Support SLA Hardware Software Baseline

--- All baseline history --- Start Time End Time Filter

**Hardware**

Scan Date	Description	Status
10/21/2011 3:33:51 PM	500 GB Harddisk, Model - ST950032 5AS USB Device	Removed
10/21/2011 3:33:51 PM	I: Logical Drive, Total Space - 107 GB, Volume Serial Number - 19E82432	Removed
10/21/2011 3:33:51 PM	J: Logical Drive, Total Space - 107 GB, Volume Serial Number - AB812490	Removed
10/21/2011 3:33:51 PM	K: Logical Drive, Total Space - 285 GB, Volume Serial Number - B840B150	Removed

**Software**

**Operating System**

## Monitoring an asset

The parameters that can be monitored for Assets are

### Availability Monitoring

Availability Management is a feature of monitoring the Availability status of your Critical Assets. The administrator can manage the status of a device and generate an incident if the device is down. The parameters specified for this feature is standard for all type of devices.

A green  diamond button indicates the status UP and a red  button indicates a down status.

Parameters for Availability Management:

1. Device Status
2. Monitoring Interval
3. No. Of Times to Ping
4. Time to Live
5. Packet Length
6. Time out
7. Automatic Incident Raising

## Performance Monitoring

|

A process of collecting and analyzing the data of a device based on its performance. Performance Monitoring enables an administrator to monitor the performance of a device when there is a critical issue on its performance. Based on the information passed through the various parameters returned by the application, the administrator can work on a solution to solve the issues faced by the users on the device. The parameters defined, varies from device to device.

### Parameters for Performance Monitoring

#### Hosts

1. CPU Utilization
2. Memory Utilization
3. Disk Utilization
4. Process Count

#### Routers

1. CPU Utilization<sup>+</sup>
2. Memory Used<sup>+</sup>
3. Memory Free<sup>+</sup>
4. Big Buffer Hits
5. Big Buffer Misses
6. Big Create Failures
7. Medium Buffer Hits
8. Medium Buffer Misses
9. Small Buffer Misses
10. Temperature<sup>+</sup>
11. Total Huge Buffer Hits
12. Total Huge Buffer Misses
13. Total Large Buffer Hits
14. Total Large Buffer Misses

## Interface Monitoring

Interface monitoring is a process of collecting and analyzing the data from an interface to depict its performance. The Interface Monitoring application enables the administrator

to view a list of available interfaces, status condition and access additional information about an interface, such as configuration and performance data.

Parameter's for Interface Monitoring:

The parameters specified for monitoring an interface is same across all the device types.

They are;

1. Interface Description
2. Traffic Utilization Graph
3. Error Graph
4. Discard Graph

## **Alarms**

This feature enables the administrator to view and manage the alarms raised by the application for the device selected. The alarms are generated by default if the device is down, invalid parameters defined and also based on the thresholds defined.

## **Asset Dashboard**

### **Defining Availing parameters for an asset**

#### **Device Status:**

The status is shown automatically by the application based on the reachability of the device. A green  Up diamond button indicates the status UP and a red  button indicates a down status

#### **Monitoring interval:**

This option can be set in minutes to enable the application to monitor the device. Based on the value set, the application would ping the device to check the availability.

#### **No. of Times to Ping:**

This option can be set to enable the application to ping the device for its availability. By default the value is set to 1.

#### **Time to Live:**

The TTL field is set by the sender of the packet, and reduced by every host on the route to its destination. If the TTL field reaches zero before the packet arrives at its destination,

then the packet is discarded and an ICMP error datagram ([11 - Time Exceeded](#)) is sent back to the sender. The purpose of the TTL field is to avoid a situation in which an undeliverable packet keeps circulating on the network. In theory, time to live is measured in seconds, although every host that passes the datagram must reduce the TTL by at least one unit. Enter the Time-to-Live value; else the default is set to 50.

**Packet Length:**

Enter the packet length in bytes, the default is set to 32.

**Time out Milliseconds:**

Enter the Time out value for a packet, the default is set to 200.

**Action:**

If any of the parameters like TTL, Packet length and time out is reached, there are options to trigger like

- a. Raise an Incident – Automatically raises an Incident with the Service Desk
- b. Raise an Incident & Un-Manage the device - Automatically raises an Incident with the Service Desk and device will not be monitored
- c. None - No actions will be performed

**Availability Graph**



The Availability graph depicts the status of the Assets or devices available in the CMDB. The Availability Distribution bar graph represents 3 basic status information of Assets viz.

### Not Monitored

This status indicates in blue, that the Asset is not reachable or set as Unmanaged.

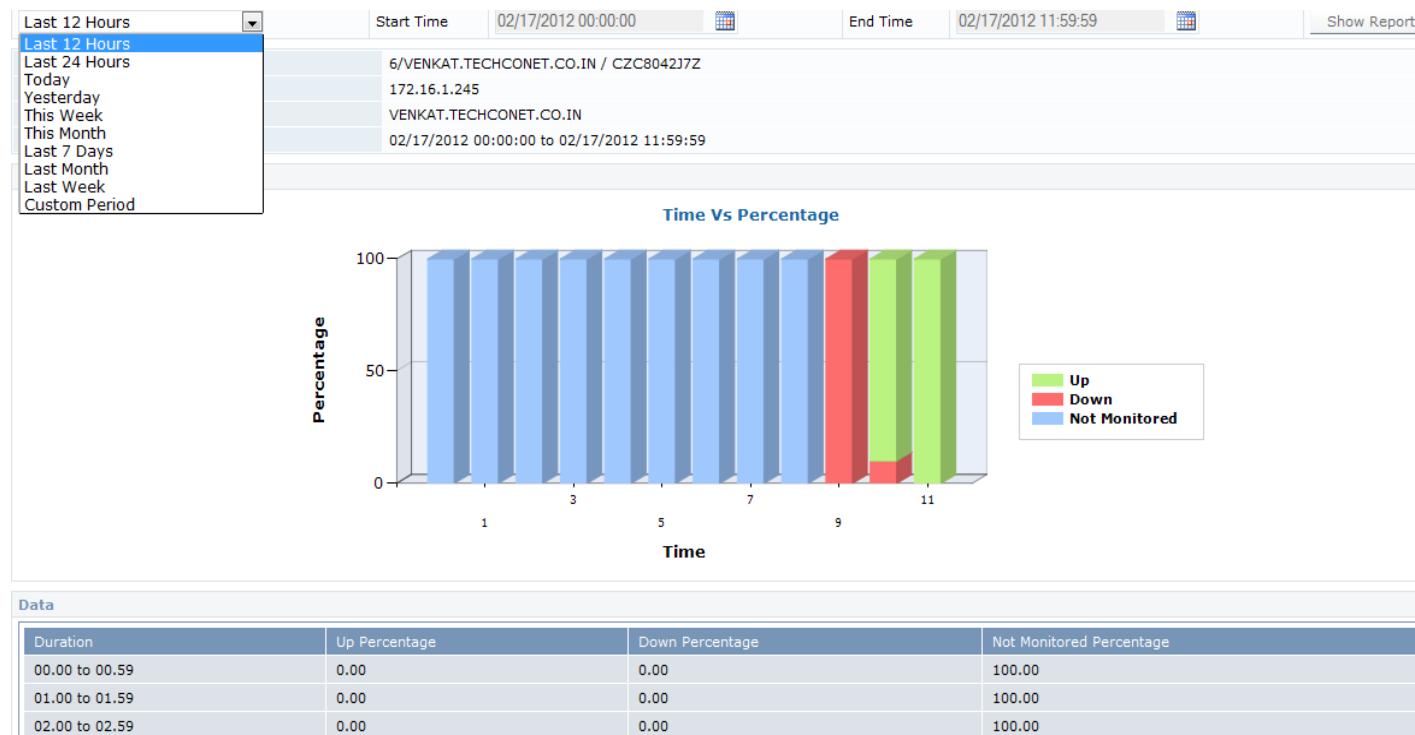
### Up

This status indicates in green, that the device is monitored and UP.

### Down

This status indicates in Red, that the device is monitored and down.

The availability graph can be viewed for various time duration like Last 12 Hours, Last 24 Hours, Today and also for a custom period of time. Based on the selections the graph is depicted.



## Performance Parameters

The performance parameter manages and monitors the performance attribute of a Device. The administrator can set the various parameters available in the application, to monitor the performance of a device. This parameter varies from device to device. The various master parameters available in the application are

- CPU Utilization
- Memory Utilization
- Processor Utilization
- Process count
- Logical Drives

For illustration, let us consider the CPU Utilization parameter for a desktop device.

### a. CPU Utilization :

Whenever a device is performing an operation over an interface to the rest of the device, it uses some of the system's resources. One of the more critical of these resources is how much CPU time is required for the operation. This is called the **CPU utilization**. CPU utilization is important because the higher the percentage of the CPU used by the operation, the less power the CPU can devote to other tasks. When multitasking, a high CPU utilization can cause slowdowns in other tasks when doing large data transfers. By default no Threshold value is been set for any of the performance parameter. The administrator can set the threshold values for the CPU Utilization parameter and thereby monitor its performance. To set the parameters do the following;

Click on the  button

InstIL - Confidence in IT					
	Severity	Operator	Threshold Value	Re-arm Value	Consecutive Value
	Critical	>	50	49	3
Threshold Type *			CPU Utilization		
Monitoring Interval *			3	min	
Severity *			Attention	<input type="button" value="▼"/>	
Operator *			>	<input type="button" value="▼"/>	
Threshold Value *			70	%	
Rearm Value *			65	%	
Consecutive Value *			3		
Message *			<div style="border: 1px solid #ccc; padding: 5px;">           The Monitor value is  <code>\$Monitor_Value</code>, the            Threshold Value for this         </div>		
Automatic Incident Raising, if Threshold Condition has Met			<input type="radio"/> Raise an Incident <input checked="" type="radio"/> Raise an Incident & Un-Manage the Device <input type="radio"/> None		
<input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>					

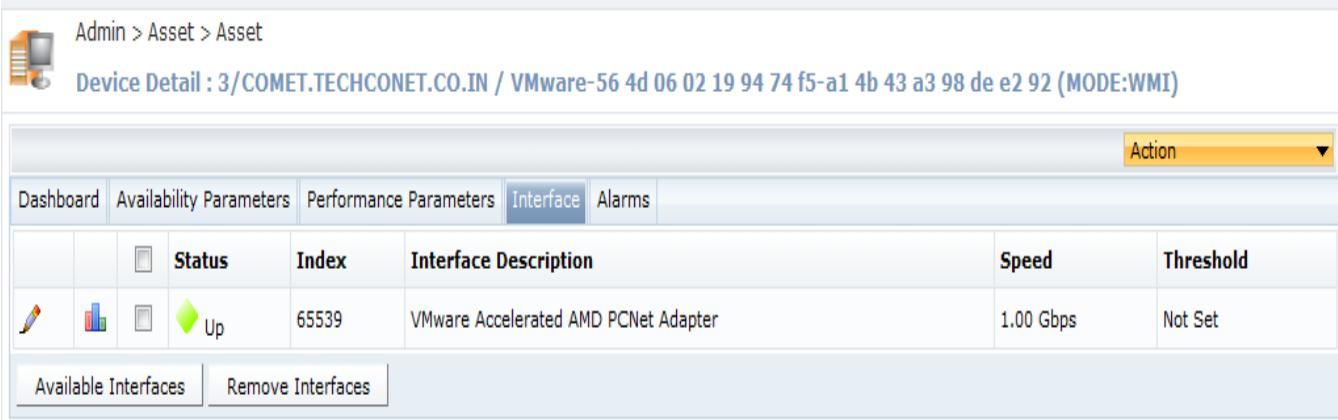
1. Threshold Type - The threshold type is set automatically based on the parameters chosen. For E.g. CPU Utilization, Memory Utilization etc.
2. Monitoring interval - The monitor interval is defined in minutes and triggers the application to query the device based on the value set. The default is set to 3 minutes.

3. Severity - Select any one of the Severity parameters Attention, Trouble or Critical. This is a pre-defined value and cannot be appended or editable.
4. Operator - Select the operator value ">" or "<". If the value is set as ">", the application will raise an alarm, if the threshold value increases beyond the threshold value set.
5. Threshold - Enter the Threshold value for the CPU Utilization parameter. A threshold value can be specified for each monitored metric. It is used to determine the point at which the network operator should be alerted to a problem.
6. Rerarm Value - Enter the Rerarm Value. A rerarm value enables the monitor to generate a cancelling event when the metric has returned to an acceptable value. This helps prevent multiple events from being generated for the same problem.
7. Consecutive Value- Enter Consecutive value between1 to 10. This value is set to enable the monitor to check for a consecutive occurrence of a threshold based on the value defined and generate an alarm.
8. Message - Enter your Message content for an Alarm message. The basic function of this feature is to trigger an alarm message whenever the application detects a override in the threshold defined. During such process, the application will raise a default alarm message containing the Monitor value detected and the threshold value defined. The administrator can rephrase the message before and after the content mentioned within the "\$" symbol, as the application would replace the real-time numerical value after the "\$" symbol.
9. Automatic Incident Raising, if the Threshold Condition is met - This administrator can select any one of these option to trigger an automate trouble ticket when a device crosses the threshold condition. Three options are available to be set, they are;
  - a. Raise an incident
  - b. Raise an Incident and unmanage the device
  - c. None, take no action
  1. Click on Save to submit the changes
  2. Click on Reset to clear the values defined
  3. To delete a record click on  button and click on delete to remove the record

**Note:** The similar configuration process implies to all other parameters available for an asset

## Interface Parameters

The interface feature lists all the interfaces available in the device to be monitored. For the application to import the interface details of the device, SNMP need to be installed on the device and the port has to be opened and given a read access minimum. By default, on selecting the interface menu, the application would display an empty dashboard shown as "No Records Found". To add an interface, Click on Available Interfaces. This would list all the available interfaces in the device. Select the check box and click on "Add Interfaces" for the selected interfaces to be monitored



Interface							
		Status	Index	Interface Description	Speed	Threshold	
				65539	VMware Accelerated AMD PCNet Adapter	1.00 Gbps	Not Set

For illustration, let us configure the threshold for any one of the Interface available for a device

The parameters displayed in grey are non-editable and the administrator can re-assign the values ss for the mandatory parameters marked as **“\*”**. They are

## Monitoring Interval

This parameter enables application to monitor the device every 15 minutes, which is set as default. The administrator can change value according to his need and requirement.

Admin > Asset > Asset

Device Detail : 3/COMET.TECHCONET.CO.IN / VMware-56 4d 06 02 19 94 74 f5-a1 4b 43 a3 98 de e2 92 (MODE:WMI)

Dashboard Availability Parameters Performance Parameters **Interface** Alarms Action

**Threshold** 

Status	 Up
Interface Description	VMware Accelerated AMD PCNet
Monitoring Interval *	20
Speed	1000000000 bps
In Speed *	1000000000 bps
Out Speed *	1000000000 bps

Update Reset Cancel

**Today's Availability**



Not Monitored   Down   Up

## In Speed

This parameter specifies the maximum inbound speed of the interface. If the value specified in the device configuration is changed, the value gets updated in the application when the device is re-discovered through a manual or a scheduled auto discovery feature. The administrator can also edit the values manually in the interface description.

## Out Speed

This parameter specifies the maximum outbound transfer speed of the interface. If the value specified in the interface setting of the device is changed, the value gets updated in the application when the device is re-discovered through a manual or a scheduled auto discovery feature. The administrator can also edit the values manually in the interface description.

### Defining Threshold for Interface parameter –

1. Select any one interface parameter for the device
2. Click on the Threshold tab and select  icon

**InstIL - Confidence in IT**

Type	Severity	Operator	Threshold Value	Re-arm Value	Consecutive Value
<b>No records found</b>					
Threshold Type *	Traffic				
Monitoring Interval *	20 min				
Severity *	Attention				
Operator *	>				
Threshold Value *	80 %				
Re-arm Value *	75 %				
Consecutive Value *	4				
Message *	The Monitor value is \$Monitor_Value, the Threshold Value for this				
Automatic Incident Raising, if Threshold Condition has Met <input checked="" type="radio"/> Raise an Incident <input type="radio"/> Raise an Incident & Un-Manage the Device <input type="radio"/> None					
<input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>					

3. Threshold Type - The threshold type can be defined for the following actions like Traffic, Error and Discard
4. Monitoring interval - The monitor interval is defined in minutes and triggers the application to query the device based on the value set. The default is set to 20 mins.
5. Severity - Select any one of the Severity parameters Attention, Trouble or Critical. This is a pre-defined value and cannot be appended or editable.
6. Operator - Select the operator value ">" or "<". If the value is set as ">", the application will raise an alarm, if the threshold value increases beyond the threshold value set.
7. Threshold - Enter the Threshold value for the CPU Utilization parameter. A threshold value can be specified for each monitored metric. It is used to determine the point at which the network operator should be alerted to a problem.
8. Re-arm Value - Enter the Re-arm Value. A rearm value enables the monitor to generate a cancelling event when the metric has returned to an acceptable value. This helps prevent multiple events from being generated for the same problem.

9. Consecutive Value- Enter Consecutive value between 1 to 10. This value is set to enable the monitor to check for a consecutive occurrence of a threshold based on the value defined and generate an alarm.
10. Message - Enter your Message content for an Alarm message. The basic function of this feature is to trigger an alarm message whenever the application detects a override in the threshold defined. During such process, the application will raise a default alarm message containing the Monitor value detected and the threshold value defined. The administrator can rephrase the message before and after the content mentioned within the "\$" symbol, as the application would replace the real-time numerical value after the "\$" symbol.
11. Automatic Incident Raising, if the Threshold Condition is met - This administrator can select any one of these option to trigger an automate trouble ticket when a device crosses the threshold condition. Three options are available to be set, they are;
  - i. Raise an incident
  - ii. Raise an Incident and Un-Manage the device
  - iii. None, take no action
12. Click on Save to submit the changes
13. Click on Reset to clear the values defined
14. To delete a record click on  button and click on delete to remove the record

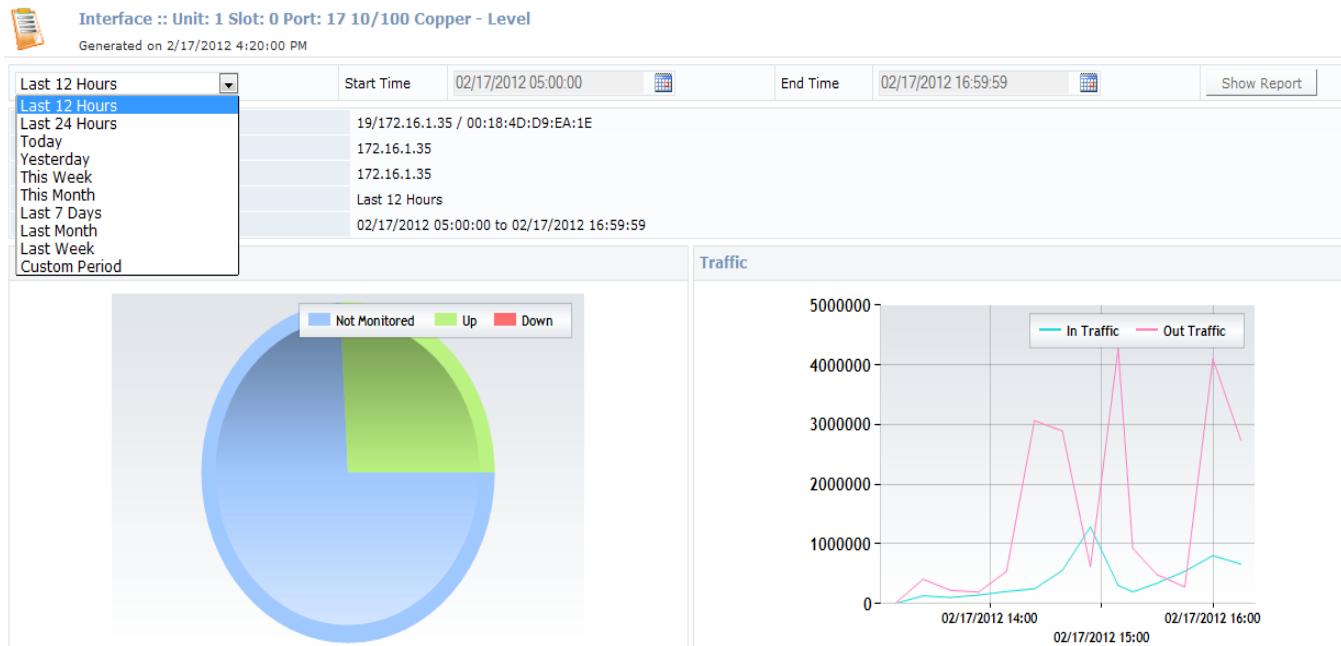
**Note:** The similar configuration process implies to all other interface parameters available for an asset

### **Utilization Graph –**

The traffic utilization, Errors and Discards graph for an interface parameter can be viewed for a particular device

**Traffic Graph** - The traffic graph lets you view the graph in terms of value for inbound traffic, Outbound Traffic & Total speed. We can see traffic graphs for different time periods by choosing the appropriate values from the Filtering options Box. The default graph is for the "Last 12 Hours". The table with the graph shows the legend, along with

total, maximum, minimum, and average traffic values for this interface for the selected time period.



**Error Graph** - The Error Graph depicts the no. of errors or mishandled packets transmitted through the interface at a point of time. It's measured in packets per second. Based on the selection criteria the graph varies.

**Discard Graph** - During the transmission of a Packet or datagram through an interface, packets are transmitted to intended hosts after a long delay and by the time the packet reaches the destination, it would be too late to be accepted and treated as a Discard packet. The administrator is enabled to monitor such transmission errors and create a threshold alert to avoid any network choking or congestion. The Discard Graph depicts the maximum or minimum of such discard's monitored in the interface

## Alarms

This feature enables the administrator to view and manage the alarms raised by the application for the device selected. The alarms are generated by default if the device is down, invalid parameters defined and also based on the thresholds defined. For example, when no threshold alarms are defined for an interface and if the device is found to be down, the thresholder would raise an alarm as shown below

Admin > Asset > Asset

Device Detail : 6/VENKAT.TECHCONET.CO.IN / CZC8042J7Z (MODE:WMI)

Action					
Dashboard	Availability Parameters	Performance Parameters	Interface	Alarms	
	Monitor Name	Alarm Message		Severity	Status
<input type="checkbox"/>	(Memory Utilization)	The Monitor value is 0.00, the Threshold Value for this monitor is 99		<span style="color: red;">✖</span> Critical	Manual Incident Raised
<input type="checkbox"/>	(Process Count)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	Acknowledged
<input type="checkbox"/>	C: (Used Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	Acknowledged
<input type="checkbox"/>	E: (Used Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	Acknowledged
<input type="checkbox"/>	C: (Free Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	-
<input type="checkbox"/>	E: (Free Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	-
<input type="checkbox"/>	D: (Free Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	-
<input type="checkbox"/>	D: (Used Space)	Device may not be configured properly		<span style="color: yellow;">⚠</span> Attention	-
<input type="checkbox"/>	Response Time	The Monitor value is 0, the Threshold Value for this monitor is 10		<span style="color: yellow;">⚠</span> Attention	-
<input type="checkbox"/>	(CPU Utilization)	Device may not be configured properly		<span style="color: red;">✖</span> Critical	-

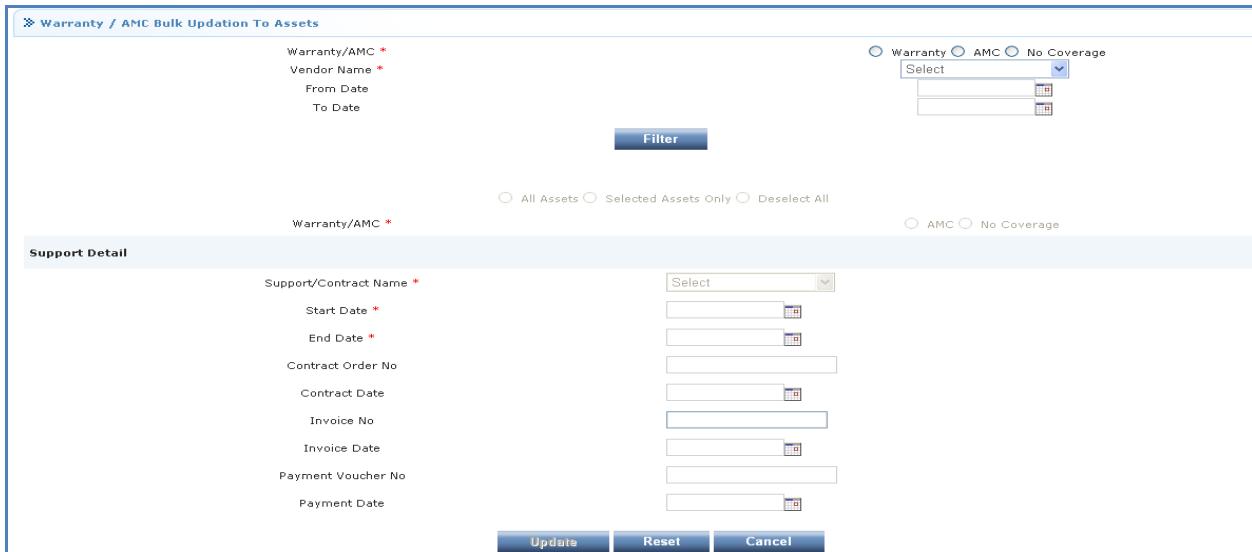
Page 1 of 2    Records 1 - 10 of 14    << < 1 2 > >>    Goto 1 ▾

[Acknowledge](#) [Delete](#) [Raise Incident](#)

The administrator can choose any of the alarms displayed in the grid and perform the following action a. Acknowledge b. Delete c. Raise an Incident

### Action → AMC Bulk Update

InsTIL also provides the facility of updating the Annual Maintenance Contract detail of all the assets in bulk. This eliminates the work of updating the Annual Maintenance Contract detail done asset by asset in the normal course.



## Operation

1. Click AMC Bulk update
2. If the administrator wants to update the assets from Warranty to AMC
3. Select Warranty and choose the Vendor name
4. Click Filter
5. All the Assets of the selected vendor name which is in warranty period is displayed
6. Click AMC and fill the Support details for the asset
7. Click update button to update the changes performed

## Action → Custom Report

Custom report is enabled for the administrator to generate his own reports based on various filter types like Configuration, Location, Purchase/ Support, Hardware, Software and Operating system. The output columns can also be designed by the administrator. This custom based report can be hence converted to Excel or Word format with the desired results. The snapshots of few filtering types are shown below.

Admin > Asset > Custom Report  
**Custom Report**

Template Name \*  Server Group  Remarks

Configuration Location Purchase / Support Hardware Software Operating System Output Columns

**Base Category**  
 Host  Network Device  UnKnown

**Category**  
 Access Point  
 Desktop  
 Domain Controller  
 Firewall  
 Printer

**Part Description**  
 Desktop-Compaq 420  
 Desktop-DSDT  
 Desktop-Dx2255 MT  
 Desktop-HP Compaq 6720s  
 Desktop-HP Compaq nx6110 (PF639PA#AC1)

**Brand**  
 Hewlett-Packard  
 INTEL R  
 NETGEAR  
 Unknown  
 VMware, Inc

**Model**  
 AWRD ACPI  
 Compaq 420  
 DSDT  
 Dx2255 MT  
 HP Compaq 6720s

**Asset Group**  
 Server Groups

**Domain**  
 techconet.co.in

Save & Preview | Delete | Reset | Cancel | Configuration Location Purchase / Support **Hardware** Software Operating System Output Columns

**Keyboard**  
 Brand  
 Model  
 Type  
 HID Keyboard Device  
 Standard 101/102-Key or Microsoft Natural PS/2 Keyboard  
 Standard PS/2 Keyboard  
 USB Human Interface Device

**Mouse**  
 Brand  
 (Standard system devices)  
 Microsoft  
 Synaptics  
 VMware, Inc  
 Model  
 Type  
 HID-compliant mouse  
 Microsoft PS/2 Mouse  
 PS/2 Compatible Mouse  
 Synaptics PS/2 Port TouchPad  
 USB Human Interface Device

**Harddisk**  
 Brand  
 (Standard disk drives)  
 Model  
 Capacity  
 0  
 160 GB  
 200 GB  
 21 GB

## Action → Import from CSV

The asset information can be keyed in a excel sheet and the file can be imported to the database so that using a single step assets can be imported in a bulk manner. The structure can be obtained by clicking the structure link which is available in the Import from CSV link. During the process of import if there is an incorrect entry in one particular field, the field is highlighted and provision is provided to correct the entry.

Admin > Asset > Asset  
**Import From CSV**

File \*

### Action → Copy from last entry

This feature allows asset entries to be copied from the previous entry so it reduces the workload if assets are to be added manually instead of using Network Scan or importing from an Excel

### Action → Auto link Users and Assets

This option is enabled for the administrator to link the users with their assets automatically. This process works on basis of the last windows credentials used to login to assets. The system performs a scan and brings out the users login information from the asset registry and links the user to that particular asset. The list below shows the user logged in to the assets at that discovered point of time.

Admin > User > Auto User Asset Linking  
[Auto User Asset Linking](#)

Linked Users					
	User Name	Asset Description	Source	Last Logged Date	Domain
<input checked="" type="checkbox"/>	vikas	1/VIKAS.TECHCONET.CO.IN/VIKAS.TECHCONET.CO.IN	Last Login Date	10/22/2011 12:21:13 PM	techconet.co.in
<input checked="" type="checkbox"/>	mirunalinip	1/MIRUNALINIP.TECHCONET.CO.IN/MIRUNALINIP.TECHCONET.CO.IN	Last Login Date	10/22/2011 12:21:40 PM	techconet.co.in

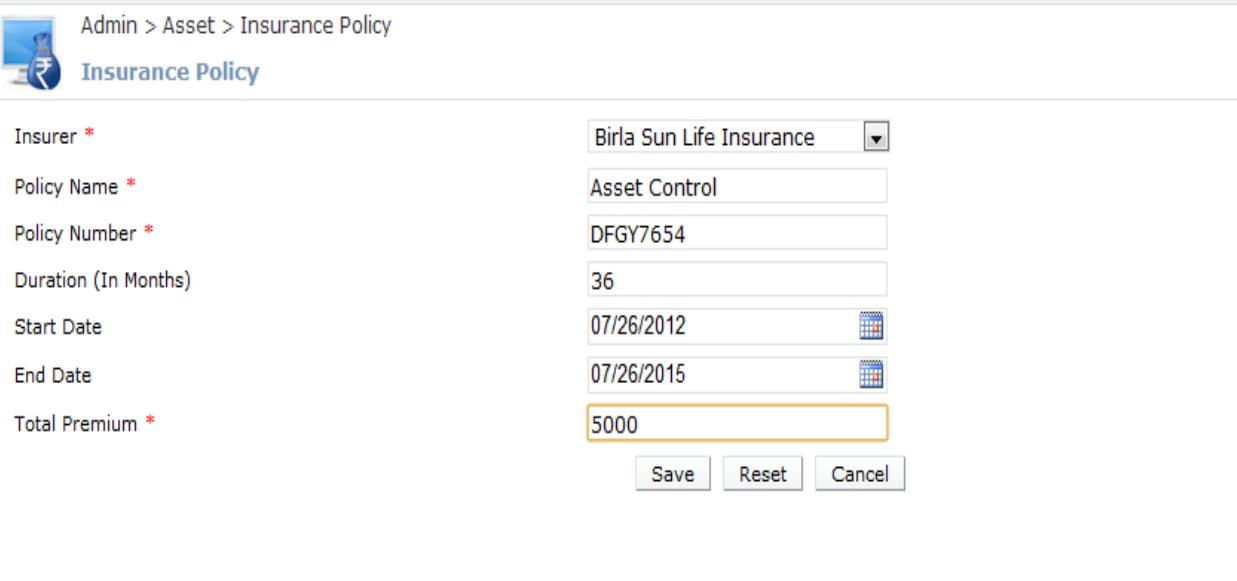
Confirm | Cancel |

### Action → Delete

This option is provided for the administrator to delete the asset entry from the asset list.

### Insurance Policy

The various insurance policy registered with the Insurer can be created here. The information pertaining to the Policies are recorded in the Insurance policy master.



Admin > Asset > Insurance Policy

**Insurance Policy**

Insurer *	Birla Sun Life Insurance
Policy Name *	Asset Control
Policy Number *	DFGY7654
Duration (In Months)	36
Start Date	07/26/2012
End Date	07/26/2015
Total Premium *	5000

**Buttons:** Save, Reset, Cancel

## Operation

1. Click New
2. Select the Insurer name from the dropdown list for whom the policies are to be created
3. Enter the policy name and policy number
4. Enter the policy duration in months
5. Select the policy Start date and End date from the date time picker
6. Enter the total premium amount for the policy undertaken
7. Click Save to save the entry created

### 4.3 Software Distribution:

The software distribution feature automates the distribution of programs to client PC's. These programs run on the client computers to perform tasks such as installing, uninstalling and repair the software.

Software Distribution eliminates the inefficient process of providing thousands of software CDs to users, along with programs and instructions. The automated process of program distribution eliminates user errors such as entering incorrect values in prompts, running incorrect programs, or entering incorrect arguments. By using Software Distribution, clients can successfully run programs and install software without needing to know how

to run these programs or which setup options are best for them. Clients do not need to manage their own software installations. Instead, you centrally define and control how and when programs run on client computers. You can choose how little or how much users manage.

## Agent

### Description:

- InstIL agent discovers assets remotely
- Distribute software to client from the server.

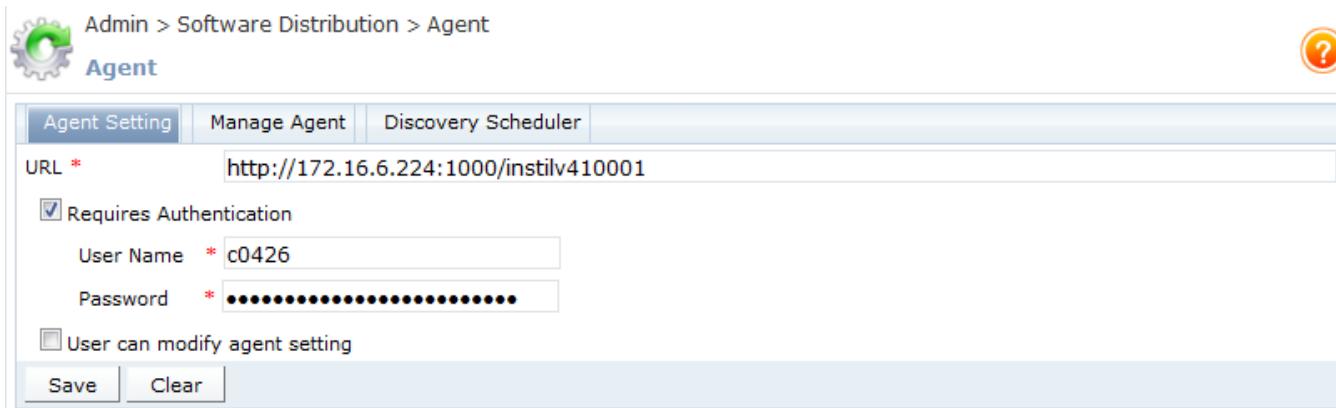
### Operation:

- Agent Settings
- Manage agent
- Discovery scheduler

## Agent Settings

The configuration setting for deploying an agent is defined here.

- Enter URL of server where InstIL is configured and clicks save.
- If the end user does not have the permission to access URL specified , then enable "requires authentication" and enter valid credential to access the URL
- Enable "user can modify agent setting" for the end user to modify the agent settings



Admin > Software Distribution > Agent

Agent

Agent Setting    Manage Agent    Discovery Scheduler

URL \* http://172.16.6.224:1000/instilv410001

Requires Authentication

User Name \* c0426

Password \* \*\*\*\*\*

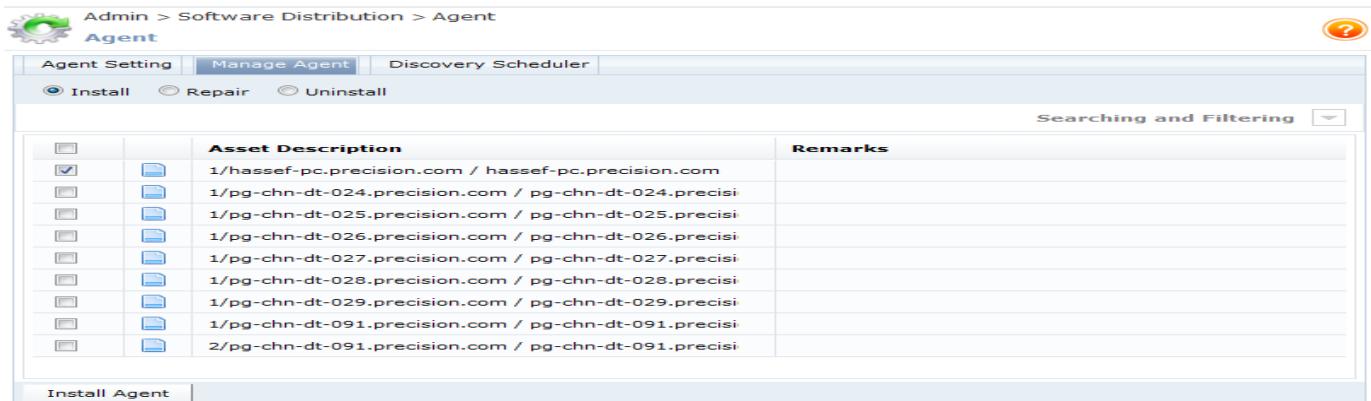
User can modify agent setting

Save    Clear

## Manage Agent:

The user can install, repair and uninstall the agent.

- The asset description list contains assets which were discovered earlier.
- Enable Install and select the asset from the asset description list to install agent
- The asset in which the agent is installed is displayed under repair and uninstallation tab
- Enable Repair and select the asset from the asset description list to repair agent
- Enable Uninstall and select the asset from the asset description list to uninstall agent



	Asset Description	Remarks
<input checked="" type="checkbox"/>	1/hassef-pc.precision.com / hassef-pc.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-024.precision.com / pg-chn-dt-024.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-025.precision.com / pg-chn-dt-025.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-026.precision.com / pg-chn-dt-026.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-027.precision.com / pg-chn-dt-027.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-028.precision.com / pg-chn-dt-028.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-029.precision.com / pg-chn-dt-029.precision.com	
<input type="checkbox"/>	1/pg-chn-dt-091.precision.com / pg-chn-dt-091.precision.com	
<input type="checkbox"/>	2/pg-chn-dt-091.precision.com / pg-chn-dt-091.precision.com	

## Discovery scheduler:

This feature enables the agent to run a routine scan on assets, on a specific schedule and

Updates the result to the server.

- Select occurrence, to schedule daily, weekly and monthly.
- Enter time
- Select the asset from the asset description list and click Schedule button

Admin > Software Distribution > Agent

**Agent**

Agent Setting | Manage Agent | **Discovery Scheduler**

Occurrence \*  Daily  Weekly  Monthly  
 Day \* Monday  
 Time \* 10:00 [HH:MM]

Remarks

**Schedule**

Searching and Filtering

	Asset Description	Schedule	Remarks
<input checked="" type="checkbox"/>	1/hassef-pc.precision.com / hassef-pc.precision	Daily, 11:29	installed by service
<input checked="" type="checkbox"/>	1/pg-chn-dt-091.precision.com / pg-chn-dt-05	Daily, 11:25	Installed

### Template:

#### Description:

A predefined format for creating software packages.

#### Operation:

- Click **new** button to add a new template
- Enter template name
- Select software category from the given dropdown
- Select type as EXE or MSI
- Enter publisher and version of the software(optional)

**Parameters:**
**Description:**

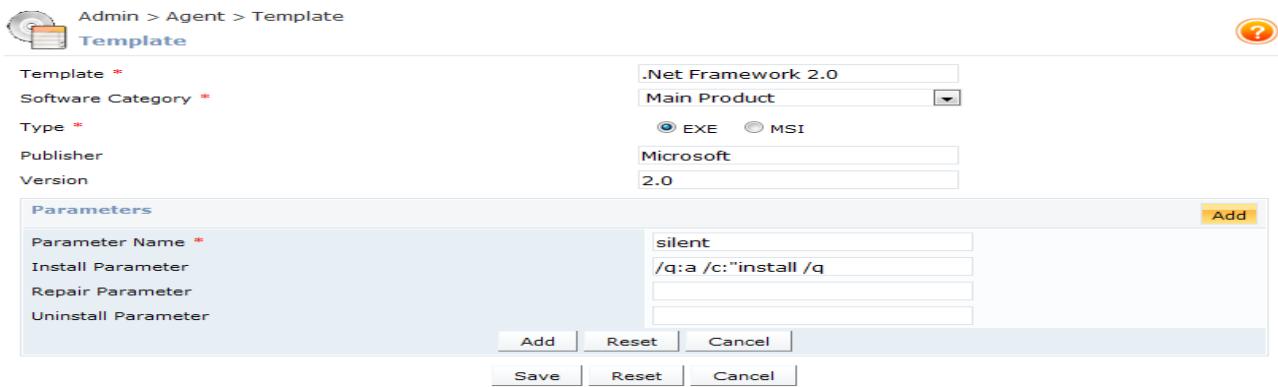
Parameters are switches used during software installation, repair and uninstallation.

**Operation:**

- Enter parameter to install, repair and uninstall the software
- Click add to create multiple parameters
- The parameter field can be left empty, if there is no parameter for a software package.

To **add** a new record:

- Click Add to enter the parameter name, install parameter, repair parameter and uninstall parameter
- Click save to save the entry



Admin > Agent > Template

**Template**

Template \* .Net Framework 2.0

Software Category \* Main Product

Type \* EXE

Publisher Microsoft

Version 2.0

**Parameters**

Parameter Name *	silent
Install Parameter	/q:a /c:"install /q"
Repair Parameter	
Uninstall Parameter	

Add

Add Reset Cancel

Save Reset Cancel

To **modify** an existing record:

- Select the existing record to be modified from the list.
- Perform the required changes.
- Click **modify** button to modify the record.

Admin > Agent > Template

**Template**

**New**

Searching and Filtering

Template	Category	Type	Publisher	Version
.NET Framework 2.0	Main Product	EXE	Microsoft	2.0
.NET framework 3	Main Product	EXE	Microsoft	3
.NET framework 3.5	Main Product	EXE	Microsoft	3.5
7zip 9.2	Main Product	MSI	Unknown	9.2
7Zip 9.20 x64	Main Product	MSI	Unknown	9.2
Adobe Flash Player 10 - ActiveX	Main Product	EXE	Adobe	10
Adobe Flash Player 10 - Plugin	Main Product	EXE	Adobe	10
Adobe Flash Player 10 ActiveX	Main Product	EXE	Adobe Systems Incorpor	10.1.8
Adobe Reader 10.0.0	Main Product	EXE	Adobe	10.0.0
Adobe Reader 8.0	Main Product	EXE	Adobe	8.0

Page 1 of 9 Records 1 - 10 of 81 << < 1 2 3 4 5 6 7 8 9 > >> Goto 1

To **reset** an existing record:

- Click **reset** button to rollback to the previous state.

Admin > Agent > Template

**Template**

**New**

Template \*

Software Category \*

Type \*

Publisher

Version

Parameters

Add

Parameter Name \*

Install Parameter

Repair Parameter

Uninstall Parameter

\quiet \norestart

Modify Reset Cancel

Update Delete Reset Cancel

To **cancel** current operation:

- Click **cancel** button to discard the current action.

To **update** an existing record:

- Select the existing record to be updated from the list.
- Perform the required changes.
- Click **update** button to update the record.

To **delete** an existing record:

- Select the existing record to be deleted from the list.
- Click delete button to delete the record

### **Searching and Filtering:**

- Enter the search word in the textbox.
- Click search button for getting the result in the grid.
- Filtering of data in the grid is done based on the Template, Category, Type, Publisher and Version
- Select data from the dropdown list for filtering.
- The searched and the filtered record are displayed in the grid.

### **Package:**

#### *Description:*

A package contains necessary scripts and information to aid in managing the installation, repair and uninstallation process of a software.

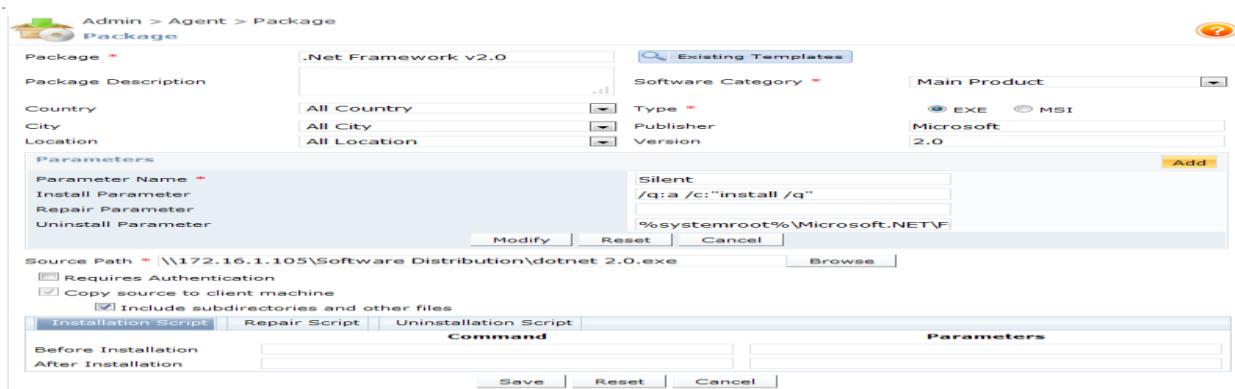
#### *Operation:*

- Click **new** button to add a new Package
- Enter package name
- Click existing template and select the predefined template from the list or enter manually
- Enter package description

- Select software category from the given dropdown list
- Select type as EXE or MSI if the existing template is not selected
- Enter publisher and version if the existing template is not selected
- Enter parameter to install, repair and uninstall the software if existing template is not selected
- The parameter are automatically fetched based on the template selected from the existing template
- Click browse and select the source path to access the share which contains the EXE or MSI file
- Click browse, a dialog box will pop-up displaying Domain, Username and Password.
- Select Domain from the dropdown list and enter credential for the selected domain, which will list the domain computers and enable the end user to access the share which contains the EXE or MSI installation file or enter the source path manually.
- If the end user does not have the permission to access the source path specified, then enable "requires authentication" and enter valid credential to access the source path
- Enable the check box to copy the source to client machine
- Enable the checkbox to copy the subdirectories and other files to client machine
- Enter script if required, before and after install, repair and uninstall based on command and parameters
- Click save to save the entry

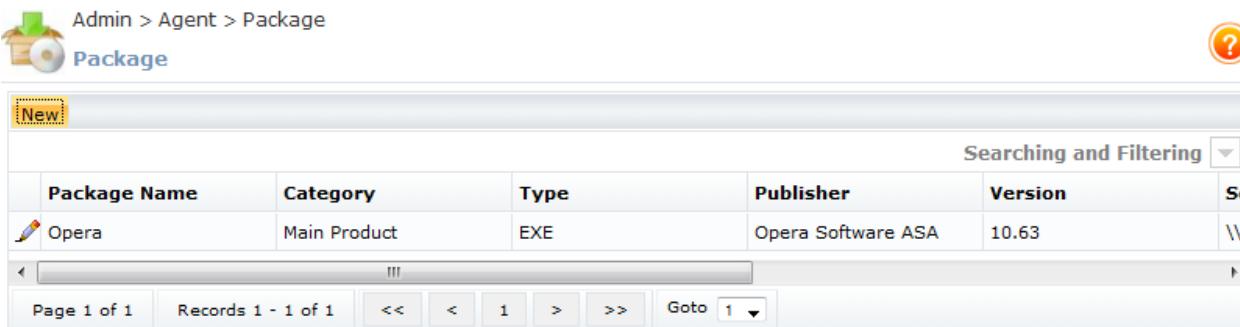
To **add** a new record:

- Click Add to enter the parameter name, install parameter, repair parameter and uninstall parameter



### Searching and Filtering:

- Enter the search word in the textbox.
- Click search button for getting the result in the grid.
- Filtering of data in the grid is done based on the Package, Category, Type, Publisher and Version
- Select data from the dropdown list for filtering.
- The searched and the filtered record are displayed in the grid.



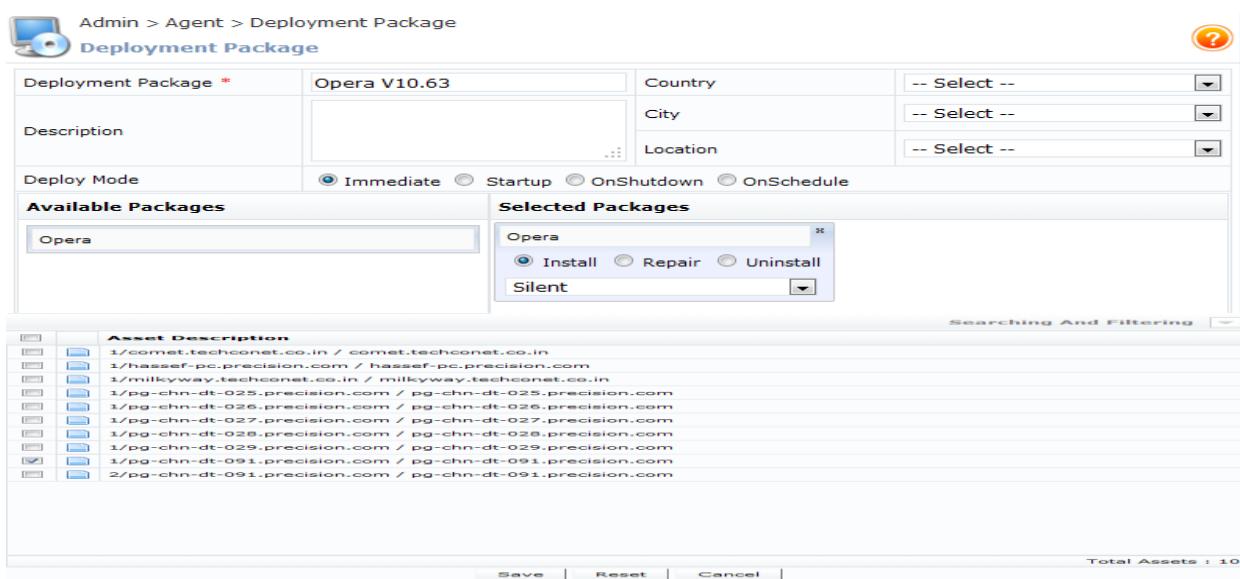
### Deployment package

#### Description

The deployment package contains list of various package which is used to distribute software on client machines.

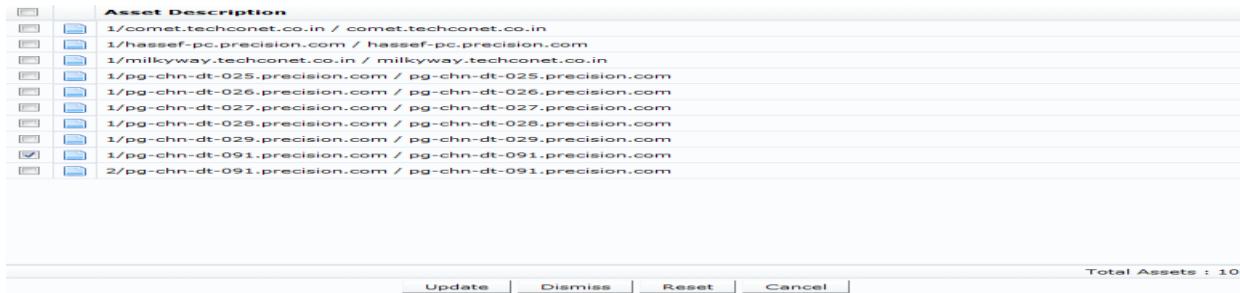
*Operation:*

- Click new button to add a new deployment package
- Enter deployment package name and description
- Select deploy mode as immediate /on startup/on shutdown/on schedule
- Select location details (country, city, and location) from the dropdown list ,where it displays asset from the selected location
- Drag and drop packages, from available packages to selected packages
- Select install/repair/uninstall for a package and select the parameter mode (silent, passive, unattended etc.)from the dropdown list
- Select asset/multiple assets from the asset description list, where the software package to be deployed.
- Click save button to save the entry created
- The status of the deploying package can be viewed by clicking on the deploy history icon in the deployment package list
  
- On deploying a package, initially the status is Not Started and after three minutes the status is In-Progress and indicated by red icon
- On clicking the red icon the deployment package is suspended



To **reset** an existing record:

- Click **reset** button to roll back to the previous state.



To **cancel** current operation:

- Click **cancel** button to discard the current action.

To **update** an existing record:

- Select the existing record to be updated from the list if only the status is as Not Started.
- Perform the required changes.
- Click **update** button to update the record.

To **dismiss** a package:

- Select the deployment package from the list
- Click **dismiss** button to dismiss the package

### **Searching and Filtering:**

- Enter the search word in the textbox.
- Click search button for getting the result in the grid.

- Filtering of data in the grid is done based on the, Category, Device Type, Part Description, Asset Group, Domain and Network
- Select data from the dropdown list for filtering.

The searched and the filtered record are displayed in the grid

Admin > Agent > Deployment Package

**Deployment Package**

New

Searching and Filtering

	Deployment Package	Status	Deploy Mode	Schedule Date Time	Deployed By
 	Opera V10.63	NotStarted	Immediate		Administrator

Page 1 of 1    Records 1 - 1 of 1    << < 1 > >> Goto 1 ▾

Export Print Refresh

**InsTIL™**  
 Confidence in IT

SoftwareDistribution  
 Generated on 5/17/2012 12:07:58 PM

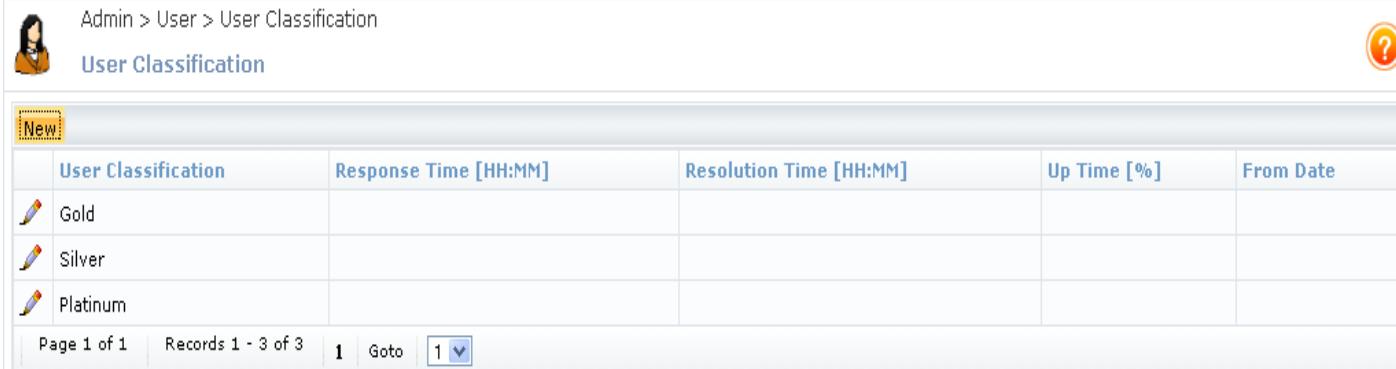
**Opera V10.63**

Deployment Package Status		Completed	
Opera			
Parameter	Silent		
SNo	Status	Deployed DateTime	Remarks
<b>1/pg-chn-dt-091.precision.com / pg-chn-dt-091.precision.com</b>			
1	NotStarted	5/17/2012 11:58:38 AM	
2	InProgress	5/17/2012 11:59:58 AM	Copying file(s) for Install.
3	InProgress	5/17/2012 12:02:22 PM	Install in progress.
4	Completed	5/17/2012 12:02:57 PM	Install Completed.
5	InProgress	5/17/2012 12:02:57 PM	Copying file(s) for Install.
6	InProgress	5/17/2012 12:05:31 PM	Install in progress.
7	Completed	5/17/2012 12:05:47 PM	Install Completed.

## 4.4 User

### User – User classification

The below fig. represents the create option for User – User Classification. The administrator can create the User Classification for which the service level agreement (SLA) applies. User Classification can be a priority at which the incident needs to be attended. The administrator can define the classification as Gold, Silver, and Platinum. User Service level is divided into response and resolution. Response is the time frame within which the service has to be attended and Resolution is the time frame within which the problem needs to be solved.



Admin > User > User Classification

User Classification

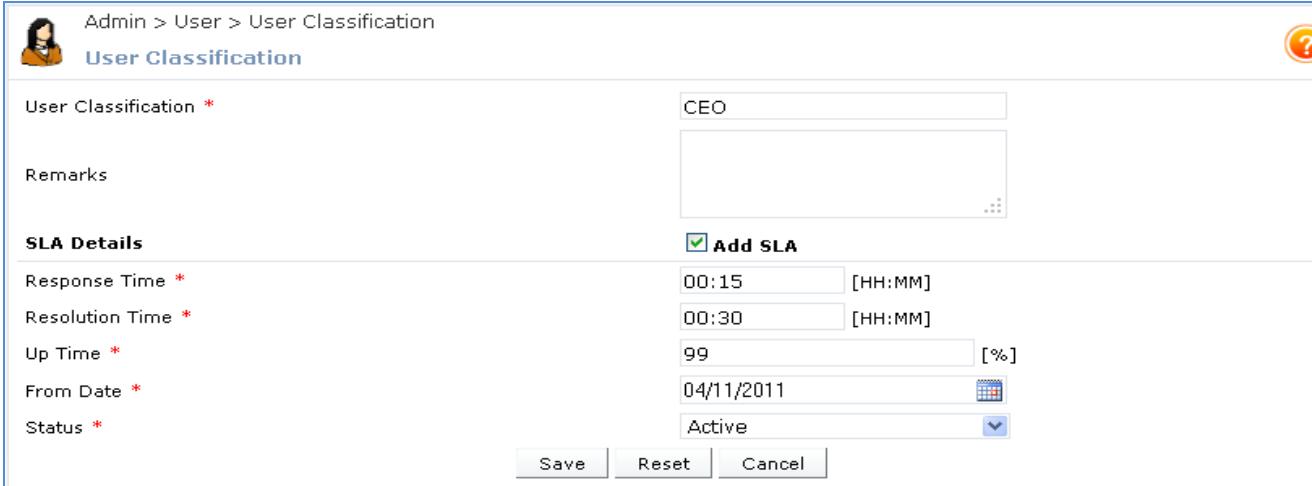
New

User Classification	Response Time [HH:MM]	Resolution Time [HH:MM]	Up Time [%]	From Date
Gold				
Silver				
Platinum				

Page 1 of 1    Records 1 - 3 of 3    1    Goto    1

## Operation

To add a new user classification perform the following task



Admin > User > User Classification

User Classification

User Classification \*

CEO

Remarks

Add SLA

**SLA Details**

Response Time \* 00:15 [HH:MM]

Resolution Time \* 00:30 [HH:MM]

Up Time \* 99 [%]

From Date \* 04/11/2011

Status \* Active

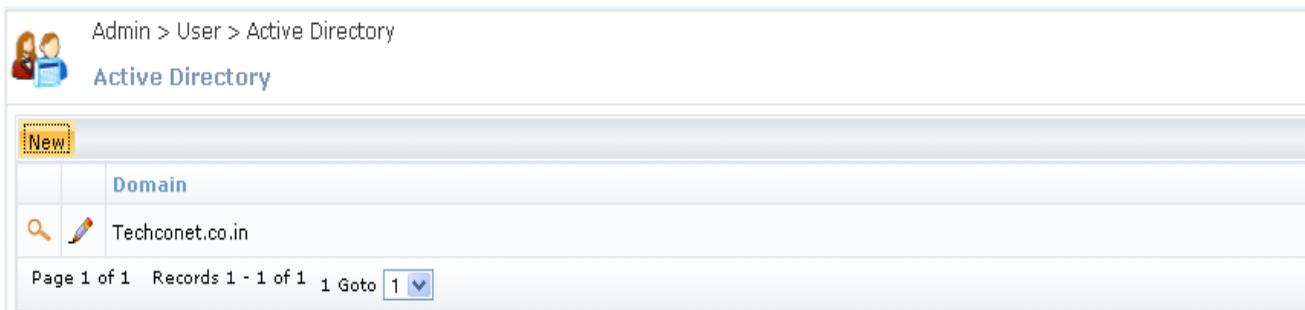
Save    Reset    Cancel

1. Click New
2. Enter the user classification name - The user class name is fixed for which the Service Level Agreement applies [SLA] when the SLA type is selected as User in Service Desk
3. Enable Add SLA

4. Enter the response time - The time frame within which the service has to be attended
5. Enter the resolution time - The time frame within which the problem needs to be solved
6. Enter the uptime
7. Click Save button to save the record created.
8. Click Reset to clear the entries created

## User – Active Directory

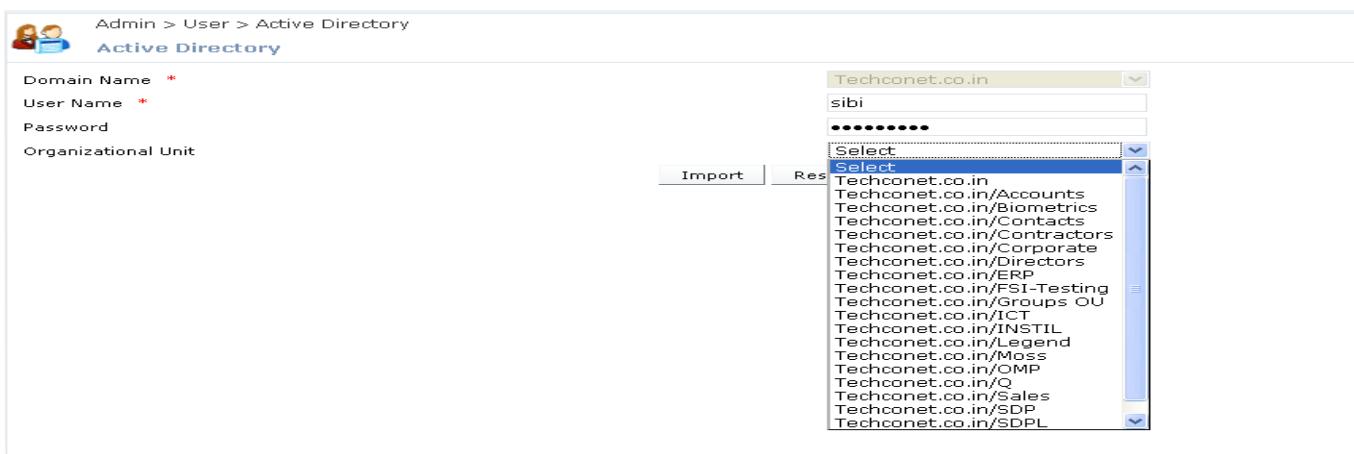
The application can be integrated with ADS and all the users in the ADS can be imported to the application. The users can therefore log calls with their respective domain login. The administrator can add all the users into the application using any domain credential.



The screenshot shows a software interface for managing Active Directory users. The top navigation bar says "Admin > User > Active Directory". Below it, a sub-menu "Active Directory" is selected. A "New" button is highlighted in yellow. A table header "Domain" is shown with a "Domain" column. One row is listed: "Techconet.co.in". Below the table, there are search and edit icons. At the bottom, it says "Page 1 of 1 Records 1 - 1 of 1 1 Goto 1" with a dropdown menu.

## Operation

To synchronize the users from the Active Directory perform the following task



The screenshot shows a user synchronization form. The top navigation bar is the same as the previous screenshot. The form has fields for "Domain Name" (set to "Techconet.co.in"), "User Name" (set to "sibi"), and "Password" (set to "\*\*\*\*\*"). Below these, there are "Import" and "Reset" buttons. To the right, there is a dropdown menu titled "Select" containing a list of organizational units: "Techconet.co.in", "Techconet.co.in/Accounts", "Techconet.co.in/Biometrics", "Techconet.co.in/Contacts", "Techconet.co.in/Contractors", "Techconet.co.in/Corporate", "Techconet.co.in/Doctors", "Techconet.co.in/ERP", "Techconet.co.in/FSI-Testing", "Techconet.co.in/Groups OU", "Techconet.co.in/ICT", "Techconet.co.in/INSTIL", "Techconet.co.in/Legend", "Techconet.co.in/Moss", "Techconet.co.in/OMP", "Techconet.co.in/Q", "Techconet.co.in/Sales", "Techconet.co.in/SDP", and "Techconet.co.in/SDPL".

1. Select the Import icon for the respective domain for which the ADS synchronization is to be done
2. The domain user name and password are obtained from the master data
3. Select from which OU the users are to be imported and click Import
4. The screen shows the number of failure and new users
5. The users are automatically imported into the application.
6. Click on the Failure link and find the list of users and the reason for not being imported

## User – Organizational Unit

The list of Organizational Unit available in the domain is added to the master when the Active Directory synchronization process is done. The administrator also has the provision to add OU for non-domain user.

Organizational Unit		Action
<a href="#">New</a>		<a href="#">Import from Active Directory</a>
<a href="#">Organizational Unit</a>		
<a href="#"> Techconet.co.in</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Accounts</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Biometrics</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Contacts</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Contractors</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Corporate</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Directors</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/ERP</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/FSI-Testing</a>	Techconet.co.in	
<a href="#"> Techconet.co.in/Groups OU</a>	Techconet.co.in	
Page 1 of 2   Records 1 - 10 of 20   <a href="#">1</a> <a href="#">2</a> <a href="#">»</a> <a href="#">»»</a> Goto   <a href="#">1</a> <a href="#">2</a>		

## Operation

To add a OU manually perform the following task

Admin > User > Organizational Unit

**Organizational Unit**

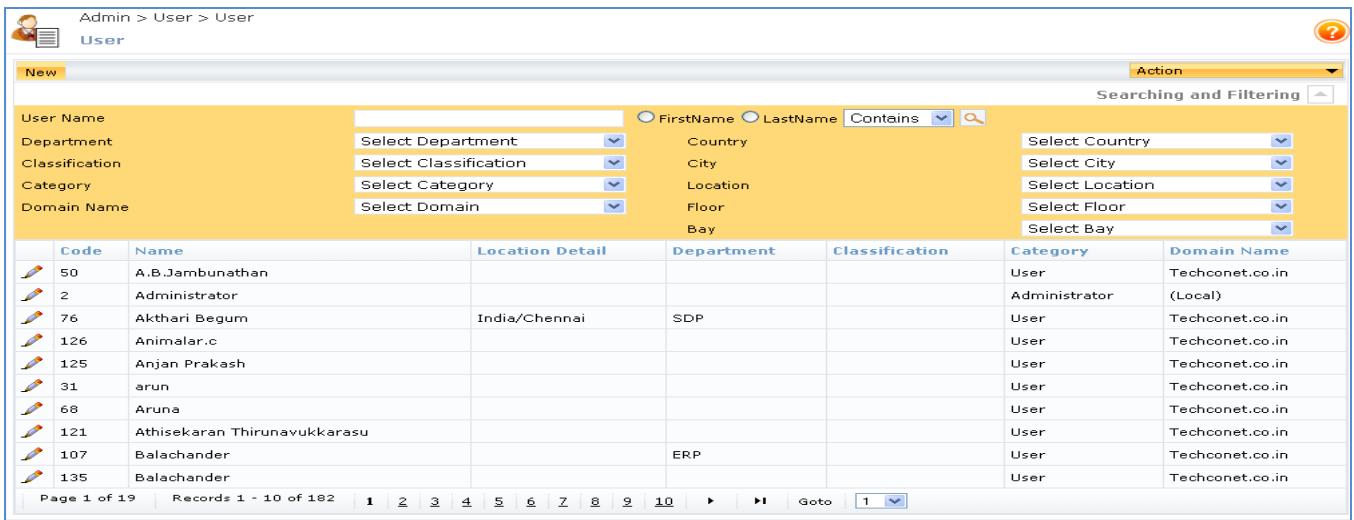
Organizational Unit *	Local User
Domain *	(Local)
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

1. Click New
2. Enter the Organizational Unit name
3. Select the domain name from the dropdown list.
4. Click Save to save the record created
5. Click Reset to clear the entries created

## User – User

The users synchronized from ADS can be viewed using this menu. The administrator can also add a user who is not there in the domain. The user is alerted through an SMS and email when the account is created.

Search and filtering options are also provided for searching particular users. Filtering options are provided to search users based on first name, last name, department, classification, city, location etc. For bulk import of user Import from csv option is also provided. The user is alerted through an SMS when the account is created.



The screenshot shows a software application window titled "Admin > User > User". The main area is a table listing users with columns: Code, Name, Location Detail, Department, Classification, Category, and Domain Name. The table contains 13 rows of data. At the top of the table, there are dropdown menus for filtering by FirstName, LastName, and Contains, along with a search icon. To the right of the table, there are additional dropdown menus for selecting Country, City, Location, Floor, and Bay. The bottom of the screen shows a navigation bar with "Page 1 of 19", "Records 1 - 10 of 182", and a page number dropdown set to 1.

Code	Name	Location Detail	Department	Classification	Category	Domain Name
50	A.B.Jambunathan				User	Techconet.co.in
2	Administrator				Administrator	(Local)
76	Akthari Begum	India/Chennai	SDP		User	Techconet.co.in
126	Animalar.c				User	Techconet.co.in
125	Anjan Prakash				User	Techconet.co.in
31	arun				User	Techconet.co.in
68	Aruna				User	Techconet.co.in
121	Athisekaran Thirunavukkarasu				User	Techconet.co.in
107	Balachander		ERP		User	Techconet.co.in
135	Balachander				User	Techconet.co.in

## Operation

To add a new user perform the following tasks

Admin > User > User

User

General Location Detail

First Name *	Peter	Mobile No	9809888809
Last Name	Roddick	Phone No	76777432
Domain Name *	(Local)	Fax No	
Organizational Unit	Select	Address	LA
Login Name *	peter	Zip Code	870987
Password *	*****	Mail Id *	peter.roddick@ihg.com
Confirm Password *	*****	Designation	
Category *	Administrator IT Manager Service Desk Technician <b>User</b>	Attendance Required?	<input checked="" type="checkbox"/>
Classification	Gold	Status	Active
		Manager	Select

Save | Reset | Cancel |

Admin > User > User

User

General Location Detail

Country	USA	Floor	26
City	New York	Bay	R&D
Location	WTC	Department	Select

1. Click New
2. Enter the User name and other credentials of the user.
3. Select the category for the user. Note: Multiple categories can be selected for particular user.
4. Enter the mail Id and the user classification type.
5. Select the location tab and enter the location detail of the User
6. Click save button to save the record created.
7. Click Reset the clear the entries created

### Single user import from Active Directory

### Operation

To import a single user from the active directory perform the following task,

Admin > User > User

User

General Location Detail

First Name *	Sibi	Mobile No	
Last Name		Phone No	
Domain Name *	Techconet.co.in	Fax No	
Organizational Unit			t.nagar
Login Name *			600017
Password *			sibi@techconet.co.in
Confirm Password *			Deployment Engineer
Category *	Administrator IT Manager Service Desk Technician User	Designation	
Classification	Select	Attendance Required?	
		Status	Active
		Manager	Mahesh
<div style="border: 1px solid #ccc; padding: 5px; text-align: center;">  sibi's details are gathered from Techconet.co.in domain         </div>			
<input type="button" value="Ok"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

1. Click New
2. Select the domain name from the dropdown list
3. Enter the login name of the user to be discovered and select the  icon
4. The information of the users is captured from the AD and the select the role that has to be assigned to the user
5. Click Save to save the entry created.
6. To update the user details, select the user from the list and perform the required changes.

### User – User asset linking

The user created is linked with the asset so as to complete the process of user-asset linking. A single asset can be linked to many users or the vice-versa. The user and the asset can be linked only when the location detail of the asset and user are the same. For example if a user holds a desktop and laptop, then these two assets are linked with that particular user.

Admin > User > User Asset Linking

**User Asset Linking**

User Name \*

**Asset Description**

1/INSTITL003.techconet.co.in/INSTITL003.techconet  
 1/AIGANESH-J.techconet.co.in/AIGANESH-J.techc  
 1/SATHESH.techconet.co.in/LA72801S4T2512  
 1/VENKAT.techconet.co.in/VENKAT.techconet.co.in  
 10/SATHESH.techconet.co.in/SATHESH.techconet.co.in  
 10/XENA.insitil.com/INA752091F

**Selected Asset**

1/172.16.1.49/172.16.1.49

>>   
 <<

## Operation

1. Click New
2. Select the user name from the dropdown list for which the asset is to be linked.
3. The list of assets will be shown
4. Select the assets that are to be linked and click  button.
5. Click save button to save the entry created.
6. To delink an asset, select the user name from the list and click  button.
7. Click update button to update the modifications made.

## User – Attendance Permission

This feature enables the administrator to give attendance access rights to all users in a bulk fashion. The attendance permission can be enabled for all users by the administrator using selection criteria like Domain, Department, Country, City, Location, Floor and Bay

## Operation

1. The users can be filtered based on domain, department, country, city, location, floor and bay
2. Select the above said parameters from the dropdown list
3. Click Filter
4. The list of users will be shown based on the parameters selected
5. Select the user for which the attendance permission is to be enabled or to provide permission for the entire user in the domain select the User name check box
6. Click Update attendance.

Admin > User > Attendance Permission

**Attendance Permission**

Domain	TECHCONET.CO.IN
Department	Select Department
Country	India
City	Chennai
Location	T-Nagar
Floor	1st Floor
or Pay	Human Resources
<input type="button" value="Filter"/> <input type="button" value="Reset"/>	

Admin > User > Attendance Permission

**Attendance Permission**

<input type="checkbox"/> User Name	Domain	Department	Country	City	Location	Floor
<input type="checkbox"/> project	Techconet.co.in					
<input type="checkbox"/> Syed	Techconet.co.in	CORPORATE	India	Chennai		
<input type="checkbox"/> Mahesh	Techconet.co.in	CORPORATE	India	Chennai		
<input type="checkbox"/> GCADMIN	Techconet.co.in					
<input type="checkbox"/> skarthik	Techconet.co.in		India	Chennai		
<input type="checkbox"/> subhu	Techconet.co.in					
<input type="checkbox"/> radius	Techconet.co.in					
<input type="checkbox"/> openminds	Techconet.co.in					
<input type="checkbox"/> fortigaurd	Techconet.co.in					
<input type="checkbox"/> infoquest	Techconet.co.in		India	Chennai		
<input type="checkbox"/> mathew	Techconet.co.in	Directors	India	Chennai		
<input type="checkbox"/> HR	Techconet.co.in					
<input type="checkbox"/> Ravindran	Techconet.co.in	SDP	India	Chennai		
<input type="checkbox"/> Karthikeyan	Techconet.co.in	SDPL	India	Chennai		
<input type="checkbox"/> Balaji	Techconet.co.in	Directors	India	Chennai		
<input type="checkbox"/> Smita Ajay	Techconet.co.in	SALES	India	Chennai		
<input type="checkbox"/> venkat	Techconet.co.in	ITIL	India	Chennai		
<input type="checkbox"/> Mukund	Techconet.co.in	Enterprise Solutions	India	Chennai		

## 4.4 Service Desk

### Service Desk – Call Priority

Every call received at the service desk will come with a priority which describes on what priority the call has to be resolved. By default the call priority master is hard coded as High, Medium and Low. The administrator can add more call priorities to the master.



Admin > Service Desk > Call Priority

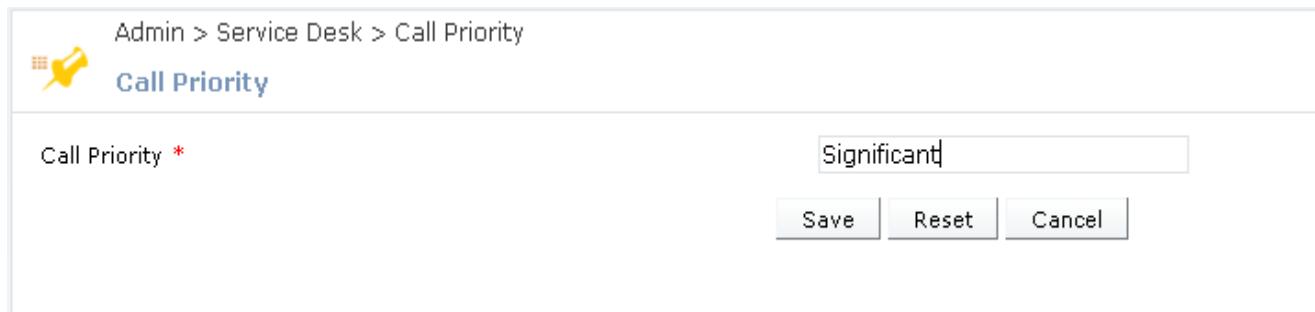
**Call Priority**

	Call Priority
	High
	Low
	Medium

Page 1 of 1 | Records 1 - 3 of 3 | 1 | Goto | 1

## Operation

To add a call priority perform the following tasks



Admin > Service Desk > Call Priority

**Call Priority**

Call Priority *	Significant
-----------------	-------------

Save | Reset | Cancel

1. Click New
2. Enter the description of the call priority
3. Click Save to save the entry created.

## Service Desk – Call Origin

Every call received at the service desk from the user, needs to be provided as to where the call originated or how the problem or issue is informed to the service desk. The user would have used the web or phone or mailed the service desk to intimate the problem or

issue. Such mode of call is created in this master screen. By default the call origin option is hard coded in the application as Web, Phone, E-mail and Threshold



Admin > Service Desk > Call Origin

**Call Origin**

Call Origin	
	E-Mail
	Phone
	Web

Page 1 of 1 | Records 1 - 3 of 3 | 1 | Goto | 1

## Operation

To add a new call origin perform the following task



Admin > Service Desk > Call Origin

**Call Origin**

Call Origin \*

Phone

Remarks

Phone

Save | Reset | Cancel

1. Click New
2. Enter the call origin
3. Use Remarks field for any additional description.
4. Click Save button to save the record created
5. Click Reset button to reset the entries.
6. Click Cancel button to cancel the process

## Service Desk – Severity

Severity is a measure of the impact on the business of the failure of a service. Severity is often measured by the number of people or systems affected. The SD specifies the severity of the problem at the time of Classification of the call. For each Severity, there will be an SLA added which will start depending on the severity of the call.

Admin > Service Desk > Severity

**Severity**

**New**

Severity	
	Data centre unavailable
	ERP has stopped
	Impacts business
	Legal implications
	Unable to generate statements
	Unable to process Payroll

Page 1 of 1 | Records 1 - 6 of 6 | 1 | Goto | 1

## Operation

To add a new severity type perform the following task

Admin > Service Desk > Severity

**Severity**

Severity *	Data Centre unavailable
Remarks	<input type="text"/>
<b>SLA Details</b>	
Response Time *	00:10 [HH:MM]
Resolution Time *	00:20 [HH:MM]
Up Time *	100 [%]
From Date *	05/12/2011 <input type="button" value="Calendar"/>
Status *	Active <input type="button" value="▼"/>
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

1. Click New
2. Enter the Severity type
3. Enable Add SLA
4. Enter the Response Time for SLA
5. Enter the Resolution Time for SLA

6. Enter the Up Time for the Severity call
7. Enter From Date
8. Select the status from the dropdown list
9. Use Remarks field for any additional description.
10. Click Save button to save the record created
11. Click Reset button to reset the entries.
12. Click Cancel button to cancel the process

## Service Desk – Call Category

The support calls received from the users need to be categorized initially, so that the issues can be tracked properly and the support provided successfully and problem solved can be updated logically in the knowledge base of InsTIL. Therefore, prior to defining the actual complaint, it would be better to categorize all such categories. InsTIL also provides option for importing the service desk masters like Call Category, Complaint and Complaint Detail from excel sheet. This helps the service desk and the technician refer the knowledge base and provide first line support for the common issues faced.



Call Category		Action
 New	Call Category	
 New	Admin Request	
 New	Incident	
 New	Service Request	

Page 1 of 1 | Records 1 - 3 of 3 | 1 | Goto | 1 | 

## Operation

To add a new call category perform the following task

Admin > Service Desk > Call Category

**Call Category**

Call Category \*

Short Name

Hardware

PC

Save    Reset    Cancel

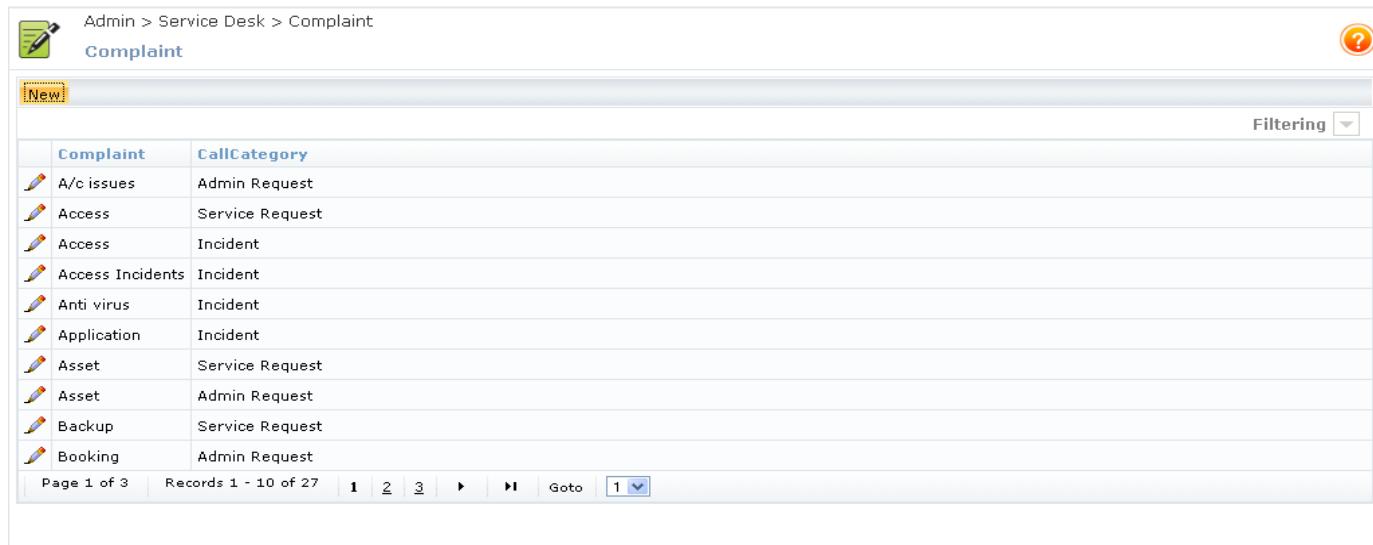
?

1. Click New to add a new call category
2. Enter the Call Category name – Ex- Hardware, Operating System and Application. This will be useful for the SD to classify the type of call that has been logged.
3. Use Remarks field for any additional description.
4. Click Save button to save the record created
5. Click Reset button to reset the entries.
6. Click Cancel button to cancel the process

**Note: to import the call category master select Import from csv and select the file and click Import**

### Service Desk - Complaint

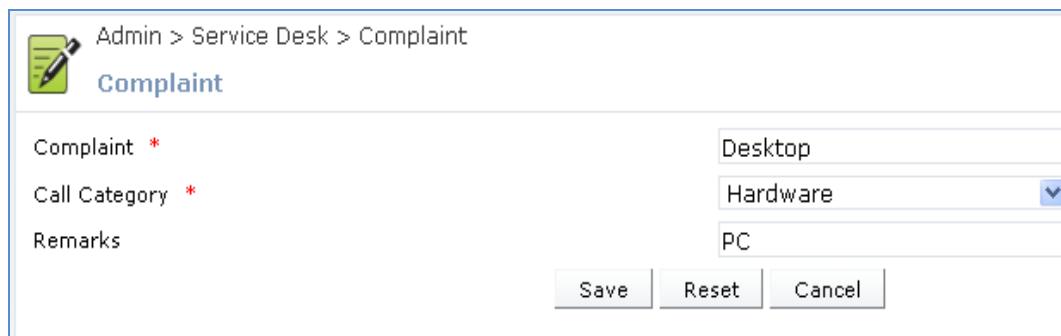
After defining the call category, the administrator can pre-define the nature of complaint as shown in the below screen. Click complaint master from the Service Desk menu, the below screen appears



Complaint	CallCategory
A/c issues	Admin Request
Access	Service Request
Access	Incident
Access Incidents	Incident
Anti virus	Incident
Application	Incident
Asset	Service Request
Asset	Admin Request
Backup	Service Request
Booking	Admin Request

## Operation

**To add a new complaint perform the following tasks**



Admin > Service Desk > Complaint  
**Complaint**

Complaint \*

Call Category \*

Remarks

Desktop

Hardware

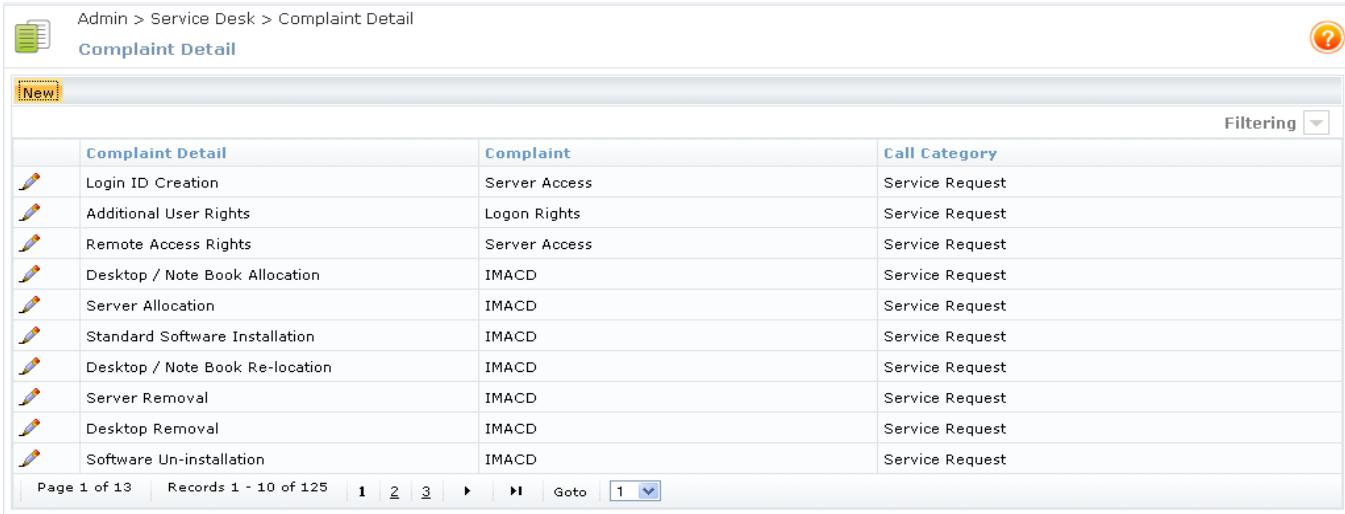
PC

Save    Reset    Cancel

1. Click New
2. Enter the complaint – Monitor, Operating System errors, UPS Shut down etc
3. Select the call category from the dropdown list - select the most appropriate one.
4. Use Remarks field for any additional description.
5. Click Save button to save the record created
6. Click Reset button to reset the entries.
7. Click Cancel button to cancel the process

### Service Desk – Complaint Detail

After a broad classification of complaint is created, the administrator can create the complaint detail related to the complaint.



Admin > Service Desk > Complaint Detail

**Complaint Detail**

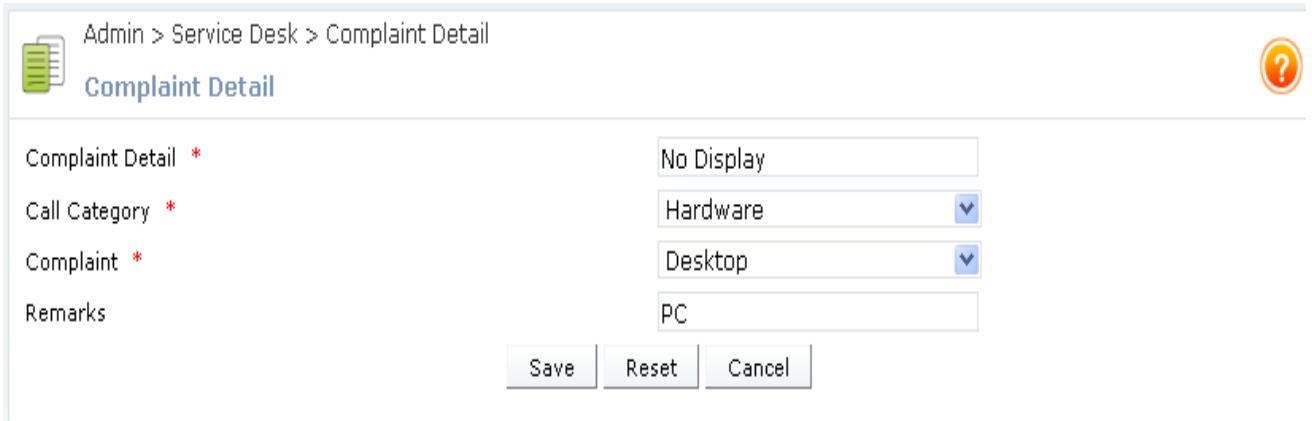
[New] Filtering

Complaint Detail	Complaint	Call Category
Login ID Creation	Server Access	Service Request
Additional User Rights	Logon Rights	Service Request
Remote Access Rights	Server Access	Service Request
Desktop / Note Book Allocation	IMACD	Service Request
Server Allocation	IMACD	Service Request
Standard Software Installation	IMACD	Service Request
Desktop / Note Book Re-location	IMACD	Service Request
Server Removal	IMACD	Service Request
Desktop Removal	IMACD	Service Request
Software Un-installation	IMACD	Service Request

Page 1 of 13 Records 1 - 10 of 125 1 2 3 > >> Goto 1

## Operation

**To add a new complaint detail perform the following task**



Admin > Service Desk > Complaint Detail

**Complaint Detail**

Complaint Detail \*

No Display

Call Category \*

Hardware

Complaint \*

Desktop

Remarks

PC

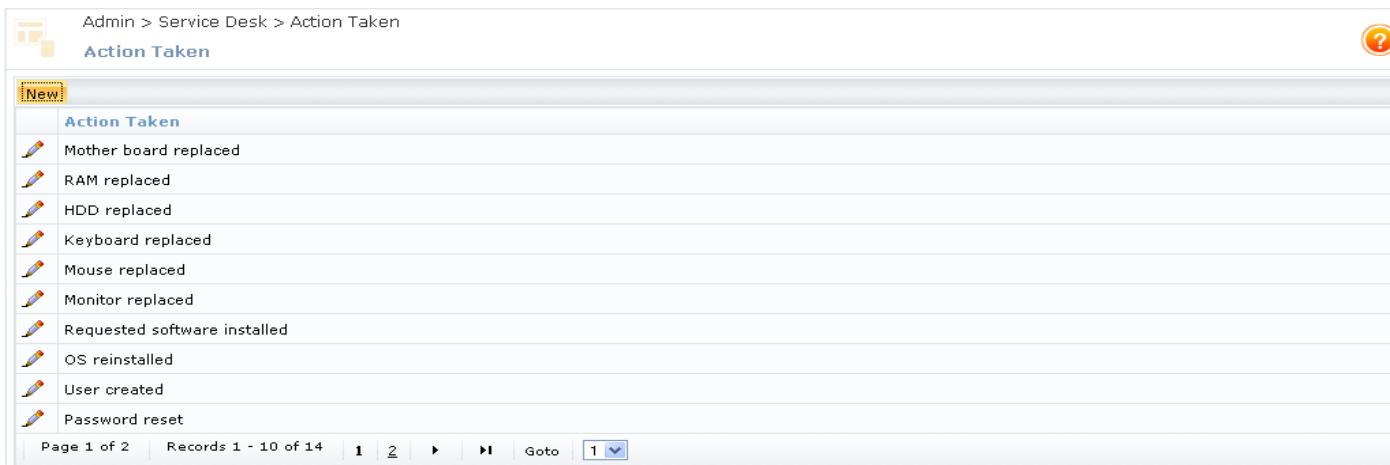
Save Reset Cancel

1. Click New
2. Enter the complaint detail related to call category and complaint selected
3. Select the call category from the dropdown list
4. Select the complaint from the dropdown list
5. Use Remarks field for any additional description.
6. Click Save button to save the record created

7. Click Reset button to reset the entries.
8. Click Cancel button to cancel the process

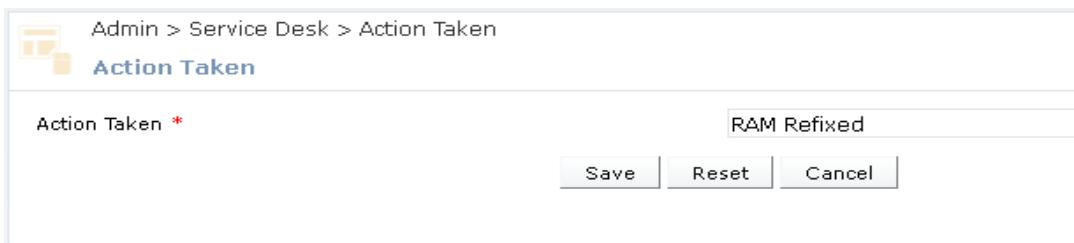
## Service Desk – Action Taken

The technician updates the call by describing the action taken for the problem. The technician can also choose the pre-defined Action taken from the Action taken master. By default the application comes with a set of default call Action Taken



## Operation

To add a new Action Taken perform the following task



1. Click New
2. Enter the description of the Action taken
3. Click Save button to save the record created
4. Click Reset button to reset the entries.

- Click Cancel button to cancel the process

## Service Desk – Auto Service desk

The service desk rules are defined to make the incident flow process automated. The rules are created for various call categories. The reminders to various technicians and other team members are created in these master settings.

This feature is enabled based on license purchased.

Admin > Service Desk > Auto Service Desk

**Auto Service Desk**

Rule Name *	Software installation request	Reminder to technician																														
Call Category *	Service Request	Response Time 00:10 [HH:MM]																														
Complaint	Software Installation	Resolution Time 00:10 [HH:MM]																														
Complaint Detail	Install Adobe Reader	<b>Reminder to team members</b>																														
Primary Contacts	Admin Administrator Tech1	Alert Response Time																														
Activity Type *	<input checked="" type="radio"/> Execution <input type="radio"/> Approval	Alert Resolution Time																														
Assign Type *	Technician	Alert By <input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> SMS																														
Assign To *	Select	Activity																														
Hierarchy Level *		Action <input checked="" type="radio"/> Optional <input type="radio"/> Required																														
		Execution Type <input checked="" type="radio"/> Parallel <input type="radio"/> Series																														
		Execution Sequence * 3																														
<b>Add Rule</b>																																
<table border="1"> <thead> <tr> <th></th> <th>Activity Type</th> <th>Assign Type</th> <th>Technician</th> <th>Hierarchy Level</th> <th>Activity</th> <th>Action</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td></td> <td>Approval</td> <td>Others</td> <td>Anjan Prakash</td> <td>-</td> <td></td> <td>Optional</td> <td>Parallel</td> </tr> <tr> <td></td> <td>Execution</td> <td>Technician</td> <td>Tech1</td> <td>-</td> <td></td> <td>Optional</td> <td>Parallel</td> </tr> </tbody> </table>										Activity Type	Assign Type	Technician	Hierarchy Level	Activity	Action	Type		Approval	Others	Anjan Prakash	-		Optional	Parallel		Execution	Technician	Tech1	-		Optional	Parallel
	Activity Type	Assign Type	Technician	Hierarchy Level	Activity	Action	Type																									
	Approval	Others	Anjan Prakash	-		Optional	Parallel																									
	Execution	Technician	Tech1	-		Optional	Parallel																									

Steps for creating a new rule

Step 1: Click New

Step 2: Enter the rule name in order to identify a rule

Step 3: Select the call category from the dropdown list which is created as masters. For example

Application, Hardware etc.

Step 4: Select the sub category levels from the masters if required.

Step 5: Enable the Alert By as E-mail / SMS

Step 5: Select the Technician name to which the rule is to be applied.

Step 6: The action type is either selected as Optional or Required.

**Note:**

Optional Action type means, the selected technician is optional for completing the call.

Required Action type means, the selected technician is definitely required to complete the call.

Step 7: Select the execution type as either Parallel or Series

**Note:**

Parallel refers when a particular call is assigned to multiple technicians, either of the technicians can attend the call.

Series execution type refers when a call is assigned to multiple technicians; the technician has to respond to the call according to the sequence that is defined.

Step 8: Click Add rule to save.

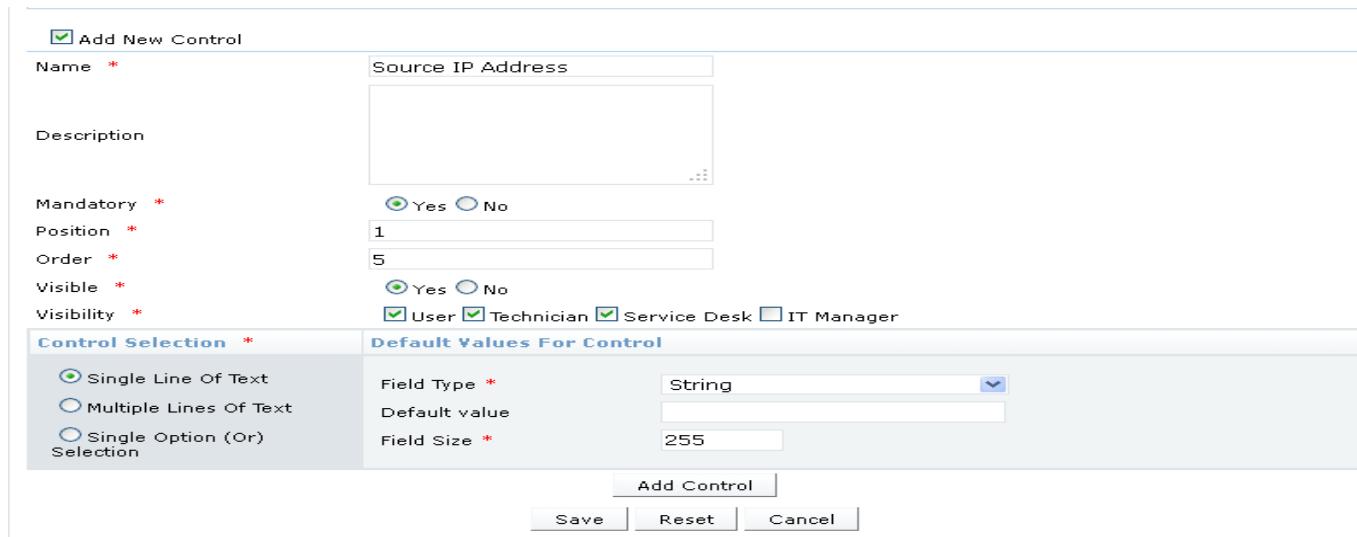
Step 9: Repeat step 8 to add multiple rules in the same sequence.

### **Reminder to the technician and other team members**

1. Set the response time and resolution time for the alert to be triggered
2. A mail will be triggered to the technician if the defined response time and resolution time is not met.
3. In case of a call assigned to multiple technicians, the mail will be triggered to other team members also.

### Service Desk - Template Creator

The incident template creator generally enables the administrator to create templates for various types of workflow within the organization. The administrator creates templates, which can be accessed by the User, Service Desk and Technician while raising a request. The user selects the template based on the workflow requirement while raising a request.



Add New Control

Name \*

Description

Mandatory \*  Yes  No

Position \*

Order \*

Visible \*  Yes  No

Visibility \*  User  Technician  Service Desk  IT Manager

Control Selection *	Default Values For Control
<input checked="" type="radio"/> Single Line Of Text <input type="radio"/> Multiple Lines Of Text <input type="radio"/> Single Option (Or) Selection	Field Type * <input type="text" value="String"/> Default value <input type="text"/> Field Size * <input type="text" value="255"/>

### Steps to create an Incident Template

1. Click New
2. Type the name of the template and a suitable description
3. The template can be made accessible to certain user community based on the workflow requirements
4. By default the application has tabs like Logging, Classification, Assign, Update, Clarification and Close. For each tab various controls can be added
5. For example - Adding New control in Logging tab
6. Enable Add New control and name the control that has to be created
7. The administrator can make that particular control as mandatory or not, by selecting either Yes or No
8. The position and the order of the control can also be defined, and the controls will be displayed based on the position and order
9. The added control can be made visible or not to each categories like User, Technician, Service Desk and IT Manager
10. Select the visible status as Yes or No and also select the categories for which the control is to be displayed
11. The control created can be of various selection types like Single Lines of text or Multiple lines of text or Single option
  - a. For single lines of text the created control can be of String , Date Time, Number, Mail and Date field types

12. For Multiple lines of text the user can enter text of multiple lines i.e. a sample control of Remarks type
13. For single option the created control can be of Radio button, Dropdown and Checkbox field type

## Utilities

### Attendance

This feature enables the user to mark the Punch In time and Punch Out time for the particular day. This feature is made available for all the roles in InstIL.

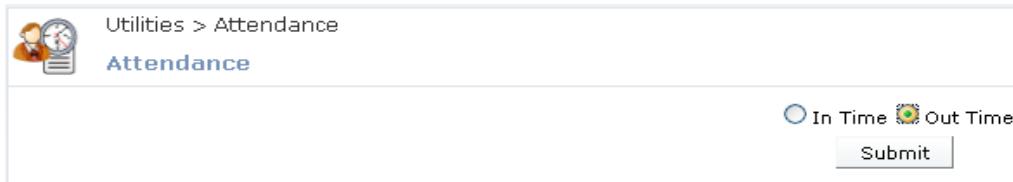
#### Operation

1. Select Punch In time and submit which marks the in time for the user



The screenshot shows a web interface for marking attendance. At the top, there is a navigation bar with a clock icon and the text 'Utilities > Attendance' followed by a blue 'Attendance' link. On the right side of the navigation bar is a red circular icon with a question mark. Below the navigation, there is a form with two radio buttons: 'In Time' (selected) and 'Out Time'. A 'Submit' button is located below the radio buttons.

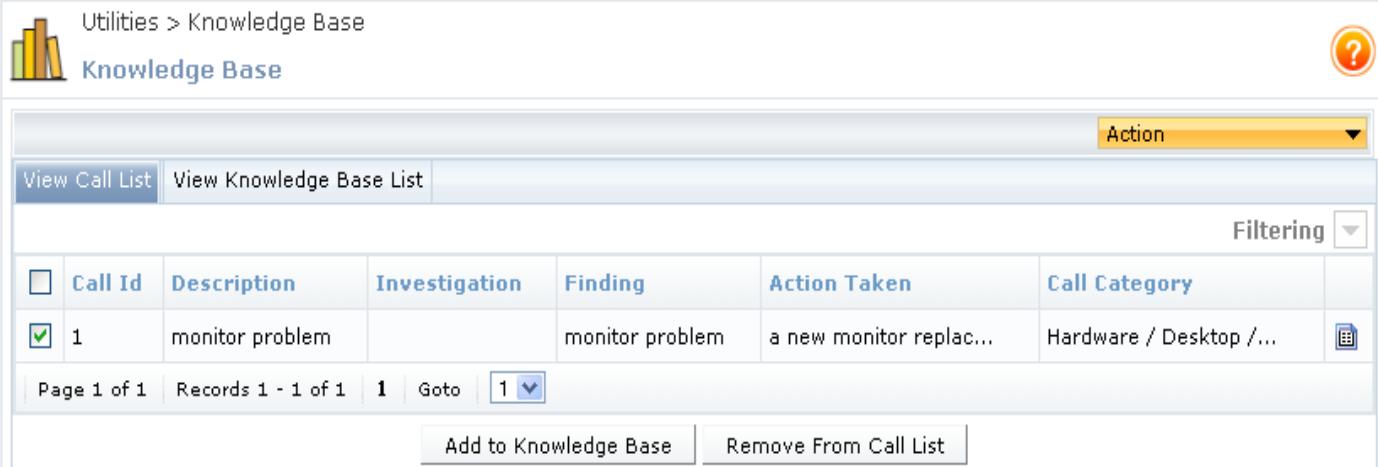
2. Similarly select Punch Out time and submit which marks the out time for the user.



The screenshot shows the same web interface as the previous one, but with the 'Out Time' radio button selected instead of 'In Time'. The rest of the interface, including the navigation bar and the 'Submit' button, remains the same.

## Knowledge Base

The knowledge base is populated with the information from the incident data. All incidents with status as Completed or Closed will be displayed in the Grid. These incidents can be moved to the knowledge base. The administrator has the provision for updating the knowledge base or the administrator can be given the permission for viewing the knowledge base alone.

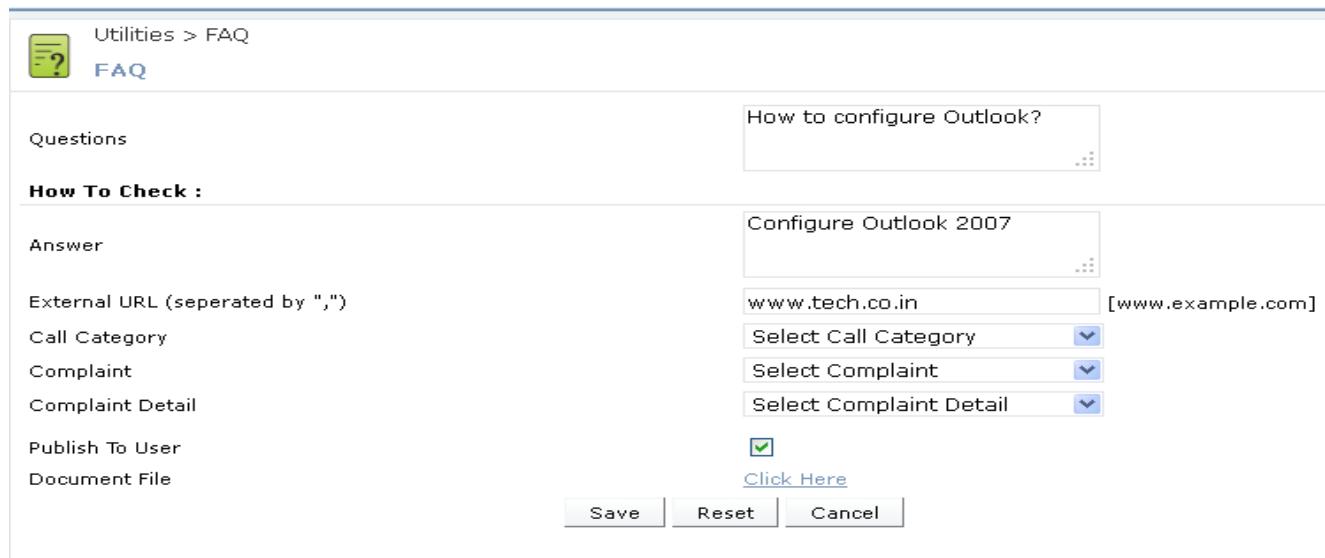


## Operation

1. The calls with the status closed and completed will be displayed in the grid.
2. Click view to see the complete call history of the call.
3. Select the calls that has to be added to the knowledge base
4. Click Add to Knowledge base to add the call to the knowledge base.
5. Click View Knowledge base to see the calls that are added in the knowledge base
6. To remove a call from the database, select the call and click Remove button.
7. To search a content from the knowledge base, type a keyword and click Search knowledge base

## FAQ

The FAQ module is to use to gather some information related to the queries posted .The FAQ can be updated by the Service desk, Administrator, Technician and IT Manager if permissions are given by the Administrator in the settings menu.



## Operation

1. Type the question for the FAQ (Search keyword)
2. Type the answer.
3. Type the Url(s) for providing the information.
4. Upload a document file.
5. Select the Call Category, Complaint and Complaint detail (if needed), to group the FAQ.
6. Enable Publish to user knowledge base to be viewed by the end user.
7. Click Submit to save the FAQ created.
8. To view a FAQ select search FAQ and type the keyword to be searched and click search.

## Change Password

This utility allows the administrator to change the password for a locally created user.

## Operation

1. Click on Admin → Utilities → Change Password
2. Select the local user name
3. Type the new password
4. Click on change to save the new password



## Preference

To set owner's favorite as default. It can be set by all categories (Administrator, User, Technician, IT manager, Service Desk) with their options provided. If the preferences are not set, the default settings are used. The screen for Preference is shown below.



## Operation

### **Asset Status:**

Select the status such as Active, Inactive, Sold, and Written off. (Can choose either one or all).

### **User Status:**

Select the status such as Active and Inactive (Can choose either one or both).

### **Services:**

1. Enter the Call close in days. To enable Automatic Closure from the status complete
2. Enter the Time Interval For Escalation (Timer Application).

3. Enter the Time Interval For Tasks (Timer Application).
4. To save a setting: Click Set Preferences Button to save the settings.

## Settings

The various settings required for performing certain functionality in the application are listed below

1. Knowledge base updates permission.
2. FAQ update permission.
3. Service desk and Technician permission.
4. Call Id Sequence number.
5. User-Asset linking settings.
6. Import/ Export path.
7. Time intervals for Importing and Exporting.

Utilities > Settings

**Settings**

**Knowledge Base Update Permission**

<input checked="" type="checkbox"/> Administrator	<input checked="" type="checkbox"/> Technician	<input checked="" type="checkbox"/> Service Desk	<input checked="" type="checkbox"/> IT Manager
---	--	--	--

**FAQ Update Permission**

<input checked="" type="checkbox"/> Administrator	<input checked="" type="checkbox"/> Technician	<input checked="" type="checkbox"/> Service Desk	<input checked="" type="checkbox"/> IT Manager
---	--	--	--

**Service Desk, Technician and User Permission**

<input checked="" type="checkbox"/> Technician can update the call	<input checked="" type="checkbox"/> Technician can alter the Date Time
<input checked="" type="checkbox"/> Service Desk can alter the Date Time	<input checked="" type="checkbox"/> User can prioritize the call
<input checked="" type="checkbox"/> Technician can Log the call on behalf of user	<input checked="" type="checkbox"/> Technician can update the call for other technician in same rule
<input type="checkbox"/> Manager can update the call for other manager in same rule	

Tag incident to location in     Asset     User

**Service Desk Call Completed Status**

<input type="checkbox"/> Show Completed Calls In Service Desk	<input type="checkbox"/> Send Mails To Service Desk
---	---

**Incident Classification**

<input checked="" type="checkbox"/> User Can Classify the Call	<input checked="" type="checkbox"/> Technician Can Re-Classify the Call
--	---

InsTIL V3.6.0 User Manual.pdf - Adobe Reader

<b>Incident Classification</b>	
<input checked="" type="checkbox"/> User Can Classify the Call	<input checked="" type="checkbox"/> Technician Can Re-Classify the Call
<b>Call Id From</b>	
Call Sequence Number :	<input type="text"/>
<b>User - Asset Linking</b>	
Consider user department	<input type="checkbox"/> Department
Consider user location upto	<input type="radio"/> Country <input type="radio"/> City <input type="radio"/> Location <input type="radio"/> Floor <input type="radio"/> Bay <input type="radio"/> None
<b>Asset Serial Number</b>	
Priority 1	<input checked="" type="radio"/> BIOS Serial Number <input type="radio"/> MAC Address <input type="radio"/> System Name (or) IP Address
Priority 2	<input type="radio"/> BIOS Serial Number <input checked="" type="radio"/> MAC Address <input checked="" type="radio"/> System Name (or) IP Address
Priority 3	<input type="radio"/> BIOS Serial Number <input checked="" type="radio"/> MAC Address <input type="radio"/> System Name (or) IP Address
<b>Import &amp; Export Paths</b>	
Import File Path *	<input type="text"/>
Export File Path *	<input type="text"/>
Imported File Path *	<input type="text"/>
Log Path *	<input type="text"/>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

### Knowledge base and FAQ update permission

1. The permissions for updating the knowledge base and FAQ are set in this menu.
2. Enable the check box for the roles for which the update permission is to be enabled.

### Service desk and Technician permission

1. Options are provided to the technician for updating the call and for altering the date and time.
2. Enable the check box for technician and service desk for various call update permissions

### Service Desk completion status

1. Enable the check box "Show completed calls in service desk" , so that the calls with the status completed will be displayed in the Service desk grid

2. Enable the check box "Send mails to service desk" in order to send a mail alert to the service desk for all the status of the call.

## **Incident Classification**

The automated service desk functionality brings into the process of call logging self-automated. Once the call is classified by the user, the calls are automatically sent to the technician/support person. Technician can also re-classify the call, if the classification selected by the user is in-appropriate

1. Enable "User can classify the call" in order to give the permission to classify the calls
2. Enable "Technician can re-classify the call" to change the call classification selected by the user.

## **Call Id sequence**

The administrator has the provision to set the call Id sequence number. For example if the call id has to be started from id 100, he can set the call sequence number as 100.

## **User-Asset linking**

This feature enables administrator to customize user-asset linking according to various considerations like department, country, city, floor etc. So it is not mandatory to link the assets and user manually. The asset description will be listed according to various Considerations set by the administrator.

## **Asset Serial Number**

This setting enables the administrator to select the priority for capturing the Asset Serial Number of an Asset. Based on the priority and options selected, the application will capture the information during Auto Discovery.

## **Import/Export paths**

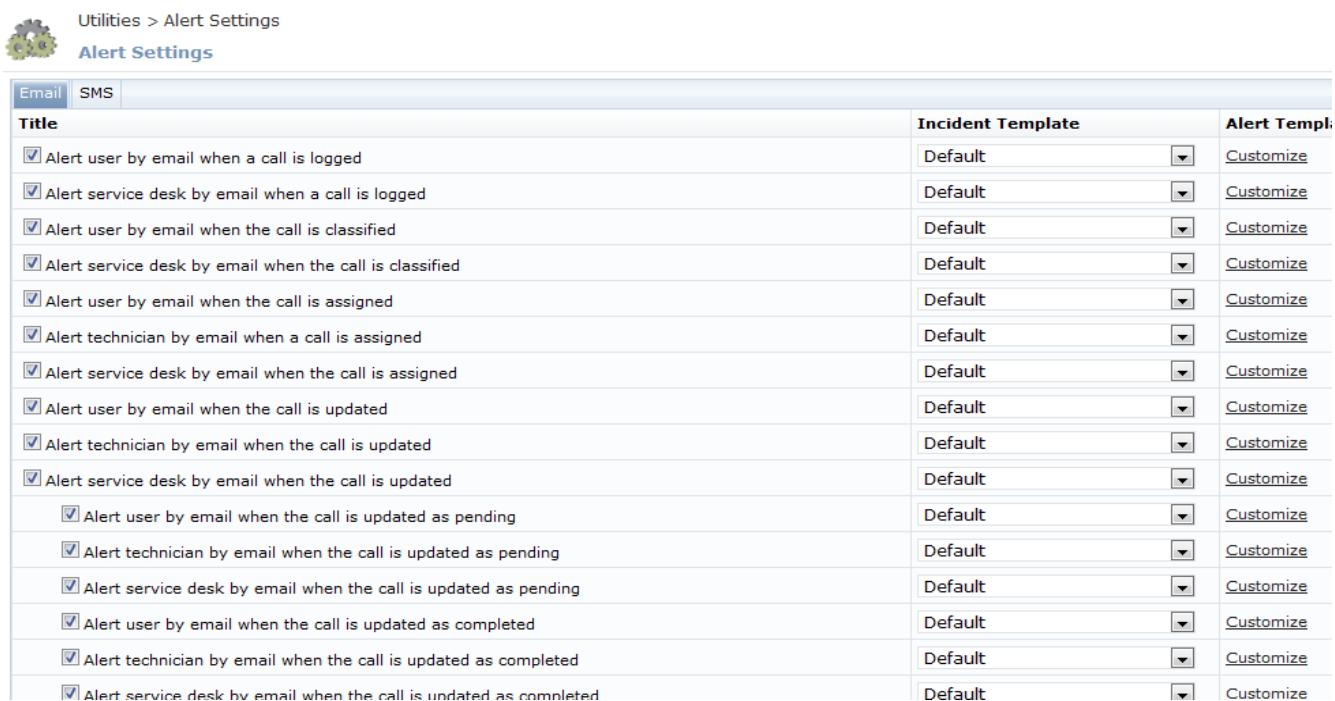
There are four file paths required for import, export, imported and log file path. All the four folders should be created in the server where InstIL is installed and asp.net users

should be added and given read, write and execute permission for that folder. Select the path where the respective folders are created in this menu.

## Alert Settings

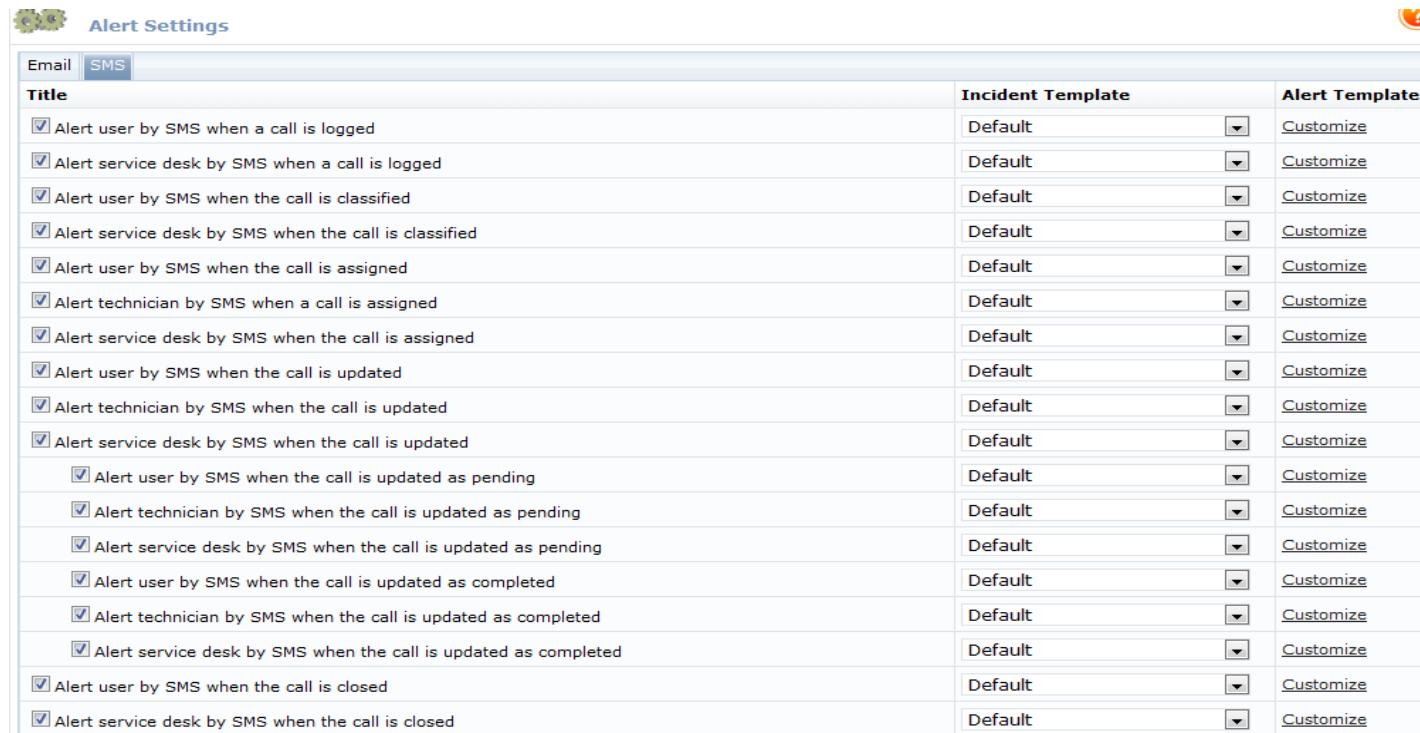
This feature enables the administrator to customize the Email and SMS content for various call status available in the application. The administrator can edit the content of the Email/SMS by selecting the default fields available in the Incident lifecycle and also an option is provided to type certain information to be triggered along with the Email/SM.

An example is shown below for the customization of the Email content to be triggered throughout the incident lifecycle.



Alert Settings		Incident Template	Alert Template
Title			
<input checked="" type="checkbox"/> Alert user by email when a call is logged	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when a call is logged	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert user by email when the call is classified	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when the call is classified	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert user by email when the call is assigned	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert technician by email when a call is assigned	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when the call is assigned	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert user by email when the call is updated	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert technician by email when the call is updated	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when the call is updated	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert user by email when the call is updated as pending	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert technician by email when the call is updated as pending	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when the call is updated as pending	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert user by email when the call is updated as completed	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert technician by email when the call is updated as completed	Default	<a href="#">Customize</a>	
<input checked="" type="checkbox"/> Alert service desk by email when the call is updated as completed	Default	<a href="#">Customize</a>	

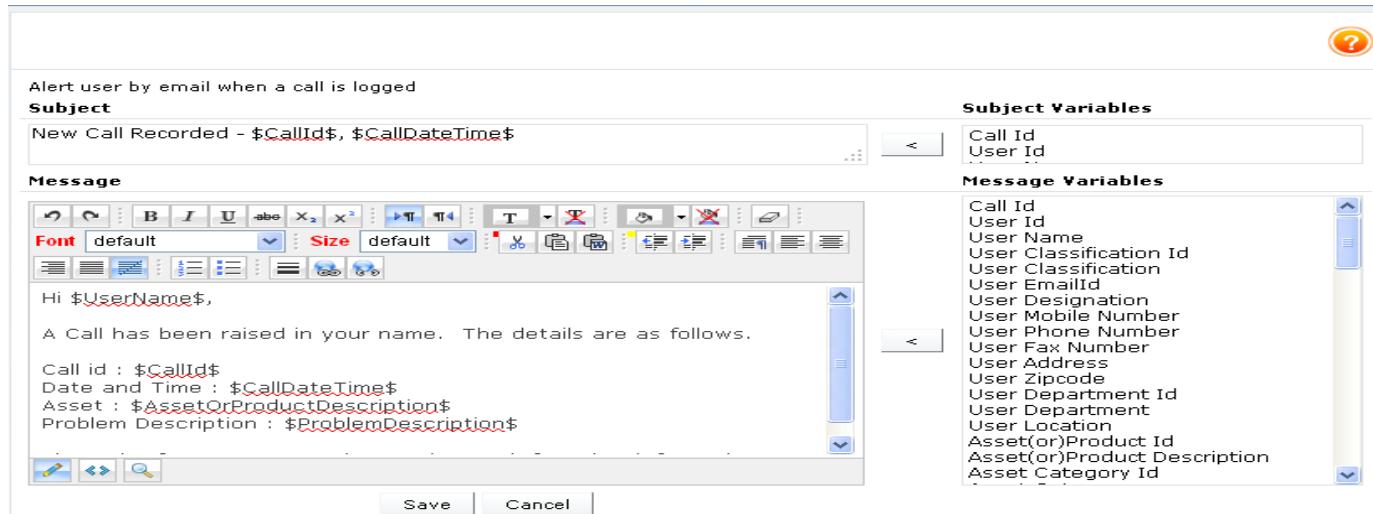
An example is shown below for the customization of the SMS content to be triggered throughout the incident lifecycle.



Title	Incident Template	Alert Template
<input checked="" type="checkbox"/> Alert user by SMS when a call is logged	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when a call is logged	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is classified	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is classified	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is assigned	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert technician by SMS when a call is assigned	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is assigned	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is updated	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert technician by SMS when the call is updated	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is updated	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is updated as pending	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert technician by SMS when the call is updated as pending	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is updated as pending	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is updated as completed	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert technician by SMS when the call is updated as completed	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is updated as completed	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert user by SMS when the call is closed	Default	<a href="#">Customize</a>
<input checked="" type="checkbox"/> Alert service desk by SMS when the call is closed	Default	<a href="#">Customize</a>

## Operation – Email Alert

The default fields that can be added in the subject line are listed in the subject variables. The content in the subject line and also the message to be triggered can be modified in the following steps. Similarly the customizations can be done for all call status available in the application and also based on roles like Service Desk, Technician and User depending on the workflow defined.



1. Select the fields one by one from the subject variable list that you want to be displayed and click  button, the fields selected are automatically transferred to the subject line
2. Make the required modifications and type any text information if required
3. Select the fields one by one from the message variable list and when  button is clicked the selected field are transferred to the message line and make any modifications where the variable has to be displayed based on the priority.
4. Click Save to save the modifications made.

## Operation - SMS Alert

The SMS trigger facility is enabled for all the call status throughout the Incident lifecycle. By default a predefined content is given in the message column and the administrator is provided the option to edit the content of the message to be triggered.

Utilities > Alert Settings > SMS Customize

### Alert Settings

Alert user by SMS when a call is logged

**Message**

Hi \$UserName\$, A call has been raised in your name with id \$CallId\$, on \$CallDateTime\$, for Asset \$AssetSystemNameOrIPAddress\$. The issue reported was \$ProblemDescription\$.

**Message Variables**

- Call Id
- User Id
- User Name
- User Classification Id
- User Classification
- User EmailId
- User Manager Id
- User Manager
- User Designation
- User Mobile Number
- User Phone Number
- User Fax Number
- User Address
- User Zipcode
- User Department Id
- User Department
- User Location
- Asset(or)Product Id

## Escalation

This feature enables the administrator to escalate the higher officials, if the problem intimated by the user is not responded or resolved within the stipulated time frame. Escalation is available for the Asset – Internal, Asset – External, Severity and the User. Levels (1, 2 and 3) are assigned for each of the SLA types. When the percentage time mentioned in the Level exceeds, the incident will be escalated according to the matrix defined and alert sent through SMS/Email.

Utilities > Escalation

### Escalation

SLA Type *	Severity
Vendor Name *	Select
Vendor SLA Type *	Select
SLA Name	Impacts business
Escalation Trigger *	Before

**Escalation level details:**

Level	Hour [HH:MM]	E Mail(s)	Mobile Number(s)
<input checked="" type="checkbox"/> Level 1	00:20	administrator@precisionit.co.in	9890765431
<input checked="" type="checkbox"/> Level 2	00:10	servicedesk@precisionit.co.in	7687543211
<input checked="" type="checkbox"/> Level 3	00:05	itmanager@precisionit.co.in	9876540987

Note : Email Ids and Mobile Nos are separate by comma(,)

## Operation

1. Click New
2. Select the SLA type – There are four SLA type – Asset Internal (Asset group), Asset External (Vendor), Severity and User SLA.
3. If SLA type is selected as Asset External
  - a. Select vendor name from the dropdown list
  - b. Select the Vendor SLA type as Device or Call Category for which the SLA is fixed in the vendor master
4. Select SLA name from the dropdown list
5. Select the Escalation trigger – Example – Before and After - The SLA can be triggered before the response and resolution type and after the response and resolution time
6. Enable the checkbox and define the time interval at which the alert is to be triggered.
7. Enter the Email id and Mobile number information in the respective column.
8. Click Save button to save the record created
9. Click Reset button to reset the entries.
10. Click Cancel button to cancel the process

## Warranty / AMC Reminder

Reminders are set for whom, when and where the application should remind for Warrant/AMC expiry dates.

Utilities > Warranty/AMC Reminder

### Warranty/AMC Reminder

Reminder Detail		User Detail	
Vendor Name *	HP	Department	Select
Category	Server	Country	Select
Asset Group	Server Groups	City	Select
Remind Before *	12 Days	Location	Select
Remind Later	Days	Floor	Select
Alert For *	<input checked="" type="checkbox"/> Warranty <input checked="" type="checkbox"/> AMC	Bay	Select
Alert By *	<input type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Dashboard <input checked="" type="checkbox"/> SMS	User Name *	Administrator
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

## Operation

1. Click New
2. Select the Vendor Name from where the Asset has been purchased
3. Select the Category name of the Asset for the selected vendor
4. Select the Asset group for the Asset
5. The Reminder can be set before and after the expiry date
6. Select the location detail of the Asset using the filtering option
7. Select whether the Reminder is to set for Warranty/AMC
8. Select Alert By as E-Mail/Dashboard/SMS
9. Select the user names whom the reminder has to be triggered
10. Click Save button to save the record created
11. Click Reset button to reset the entries.
12. Click Cancel button to cancel the process

## SLA Reminder

Reminders are set for SLA expiry dates. When the SLA of the Vendor is about to expire a reminder is triggered in the Dashboard, E-mail/SMS alerts to the user.


 Utilities > SLA Reminder  
**SLA Reminder**

Configuration Detail		Location Detail	
Vendor Name *	HP	Department	Select
	<input type="radio"/> Call Category <input checked="" type="radio"/> Category <input type="radio"/> Product Group	Country	Select
SLA Type *	<input type="radio"/> Server <input type="radio"/> Server Groups	City	Select
SLA For	20	Location	Select
Asset Group	Days	Floor	Select
Remind Before *		Bay	Select
Reminder Later		User Name *	Administrator
Alert By *	<input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Dashboard <input checked="" type="checkbox"/> SMS	<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

## Operation

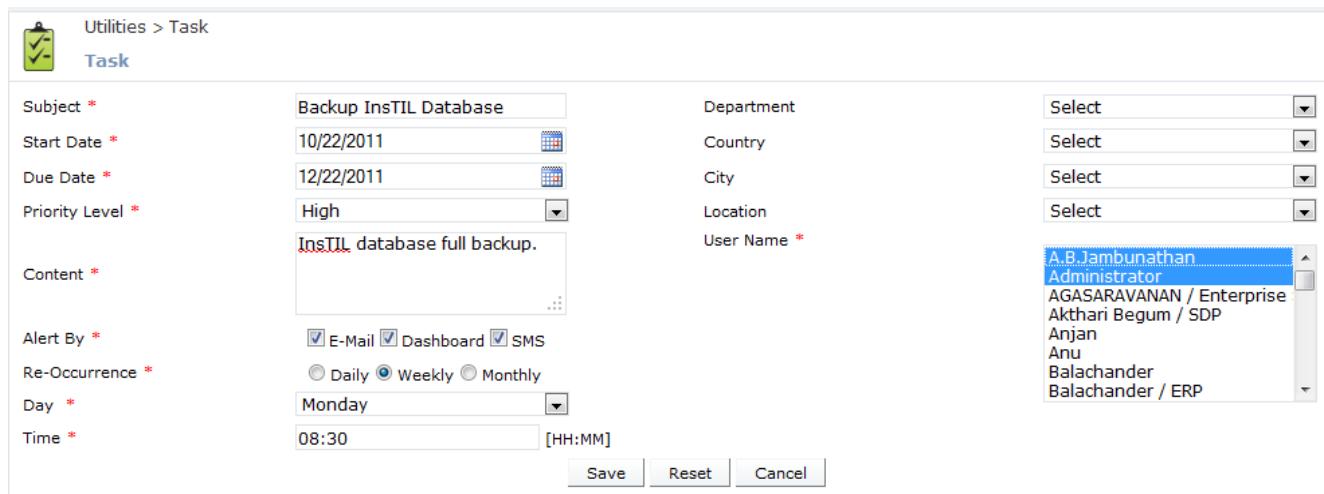
1. Click New
2. Select the Vendor Name
3. Select the SLA type as Device Category or Call Category
  - a. If SLA type is selected as Device category, then select Laptop or Desktop from the SLA For dropdown list
  - b. If SLA is selected as Call Category, then select Hardware or Application from the SLA For dropdown list
4. Select the Asset group for the selected vendor
5. The Reminder can be set before the expiry date of the SLA
6. The option is provided for setting a second reminder
7. Select the location detail of the Asset
8. Select Alert By as E-Mail/Dashboard/SMS
9. Select the user names whom the reminder has to be triggered
10. Click Save button to save the record created
11. Click Reset button to reset the entries.
12. Click Cancel button to cancel the process

## Task

Task can be created and assigned to self and groups. Some of them include:

1. Backup Tasks.
2. Preventive maintenance task.
3. Information on meeting. Etc
4. Re-occurrence is set for Daily, Weekly and Monthly frequencies.

5. The screen for setting task is shown below



Utilities > Task

**Task**

Subject *	Backup InsTIL Database	Department	Select
Start Date *	10/22/2011	Country	Select
Due Date *	12/22/2011	City	Select
Priority Level *	High	Location	Select
Content *	InsTIL database full backup.		
Alert By *	<input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Dashboard <input checked="" type="checkbox"/> SMS		
Re-Occurrence *	<input type="radio"/> Daily <input checked="" type="radio"/> Weekly <input type="radio"/> Monthly		
Day *	Monday	Time *	08:30 [HH:MM]
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

User Name \*

- A.B.Jambunathan
- Administrator
- AGASARAVANAN / Enterprise
- Akthari Begum / SDP
- Anjan
- Anu
- Balachander
- Balachander / ERP

### Operation:

1. Click New
2. Enter the Subject – Brief outline of the task to be set
3. Enter the From Date – The task will be triggered starting from this date
4. Enter the Due Date of the task
5. Set the Priority level – High, Medium and Low
6. Enter the Content of the Task
7. Select Alert By as E-Mail/Dashboard/SMS
8. Select the frequency of occurrence of the task- daily, weekly or monthly
9. Select the user names whom the reminder has to be triggered
10. For selecting the department in a particular location:
  - a) Select the Department name.
  - b) Select the Country Name.
  - c) Select the City Name.
  - d) Select the Location name.
11. Click Save button to save the record created
12. Click Reset button to reset the entries.
13. Click Cancel button to cancel the process.

### Clear SD Session

When the number of Service desk logins exceeds the license limit or if the Service desk session gets timed out, then the SD will be unable to login to the application. This feature enables to clear the session if the number of SD logins is locked.



Utilities > Clear SD Session

**Clear SD Session**

<input checked="" type="checkbox"/>	USER NAME	MAIL ID	LOGIN TIME	COMPANY	PREVIOUS IP
<input checked="" type="checkbox"/>	Administrator	admin@admin.com	3/24/2011 11:19:14 AM	PTN	172.16.1.253

## Schedule Network Scan

This feature enables the user to run a routine scan on a specified network on a specific schedule. To enable the Scheduled Auto Discovery function, login as administrator, click "**Schedule scan**" in Utilities. Click on "**Add New Schedule**" tab and enter the network name, category & Schedule details. A sample screen is shown below;



Utilities > Schedule Network Scan

**Schedule Network Scan**

Network Name *	Instil
Category	Desktop
Reoccurrence *	<input type="radio"/> Daily <input checked="" type="radio"/> Weekly <input type="radio"/> Monthly
Day *	Monday
Time *	10:15 [HH:MM]

## Schedule Active Directory

This feature enables the user to run a routine scan on a specified network on a specific schedule. To enable the Scheduled Active Directory function, login as administrator, click "**Schedule Active Directory**" in Utilities. Click on "**Add New**" tab and enter the Domain name, Organizational & Scheduled details. A sample screen is shown below;

Utilities &gt; Schedule Active Directory

**Schedule Active Directory**

Domain Name *	TECHCONET.CO.IN
Organizational Unit	Select
ReOccurrence *	<input checked="" type="radio"/> Daily <input type="radio"/> Weekly <input type="radio"/> Monthly
Time *	10:30 [HH:MM]
<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

## Asset Offline Import

Auto Discovery of Assets can be performed in two modes Online & Off-line. During an online mode the Assets would be discovered through the InsTIL Server where the connectivity to the server is said to exist, in other words it is said to be an online discovery. However if the administrator has to discover the assets from another location situated outside the LAN, the offline discovery is suggested as the best feasible option. The functioning of the Offline tool is similar to the network scan. For detailed procedure on how to perform an Offline discovery, refer to Offline Discovery Manual. This feature enables the administrator to import the asset information into the InsTIL server.

Utilities &gt; Asset Offline Import

**Asset Offline Import**


InsTIL Compressed File *	<input type="file"/>	<input type="button" value="Browse..."/>
Network Name	<input type="text"/>	
<input type="button" value="Import"/> <input type="button" value="Cancel"/>		

## Operation

1. Click on Utilities → Asset Offline Import
2. Click on Browse → Select the file named .InsTIL
3. The network name will automatically be displayed, based on the file selected.
4. Click on Import to complete the process.

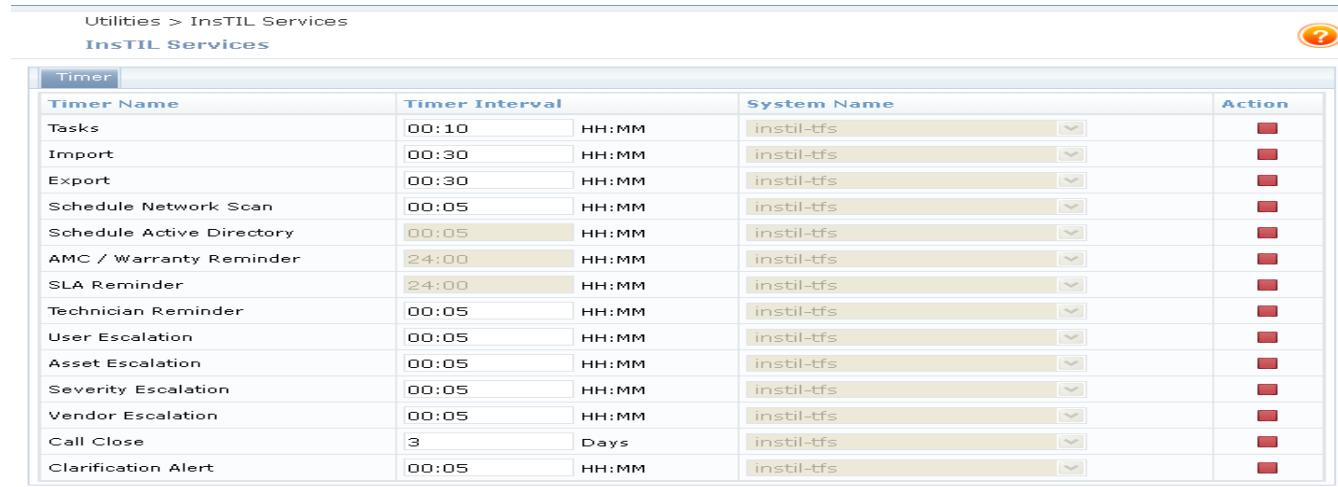
## InsTIL Services

All the services in InsTIL are configured in this particular screen which enables certain triggers as defined in the product functionality

### Operation

To enable a particular service perform the following task

1. Select the system name where the InsTIL Timer application is configured and select the Start button



Timer Name	Timer Interval	System Name	Action
Tasks	00:10	instil-tfs	■
Import	00:30	instil-tfs	■
Export	00:30	instil-tfs	■
Schedule Network Scan	00:05	instil-tfs	■
Schedule Active Directory	00:05	instil-tfs	■
AMC / Warranty Reminder	24:00	instil-tfs	■
SLA Reminder	24:00	instil-tfs	■
Technician Reminder	00:05	instil-tfs	■
User Escalation	00:05	instil-tfs	■
Asset Escalation	00:05	instil-tfs	■
Severity Escalation	00:05	instil-tfs	■
Vendor Escalation	00:05	instil-tfs	■
Call Close	3	Days	■
Clarification Alert	00:05	instil-tfs	■

## Reports

InsTIL application has the option to generate reports related to the Asset, Call Details, Escalation and Alerts and Notifications. These reports can be viewed in detail for various types of grouping which are provided in the application. The available reports can be scheduled in Reoccurrence type of Daily, Weekly and Monthly and reports triggered to various roles in the application.

The reports related to Assets includes

## **Asset**

### 1. Asset detail

- Asset linking
- Asset group
- Brand
- Department
- Category
- Location
- User classification
- User linking
- Vendor

### 2. AMC Reminder

- Asset group
- Category
- Brand
- Department
- Location
- Vendor

### 3. Warranty Expiry

- Asset group
- Category
- Brand
- Department
- Location
- Vendor

### 4. Asset Transfer

### 5. Asset Physical verification report

### 6. Baseline report

## User

User Detail – The user details can be viewed using this group

## Call Analysis

### 1. Call Details

The reports related to Call Analysis includes

1. Incident – Time wise – Based on priority, call type and user
2. Incident – Day wise - Based on priority, call type and user
3. Incident – Monthly - Based on priority, call type and user
4. Call Detail
  - Asset
  - Call category
  - Call origin
  - Call status
  - Technician status
  - Call analysis
  - Technician performance
  - FLS report
  - Maximum Calls – Asset
  - Maximum Calls– Call category
  - Maximum Calls – Duration
  - Maximum Calls – Engineer
  - Maximum Calls – User
  - Re-occurrence
  - Wrong classification
  - User
  - Time sheet
  - Call Summary
  - Call Priority Summary
  - Technician Pending calls
  - Technician call summary
  - Category based calls

- SLA Report
- Deviated/Pending calls – Engineer wise
- Incident at a glance report
- Summary reports
- Location wise call report
- Periodical call report

## **SLA Analysis**

1. SLA analysis

## **IT –Organization**

1. Attendance report

## **Alerts and Notification**

1. AMC/Warranty and SLA reminders
2. Task reminders
3. Escalation Details
4. SMS

## **Monitoring Reports**

### All Devices (11 Reports)

This section provide a graphical representation of a complete set of Availability, Health status & Interface Monitoring reports for all categories based on the CPU Utilization, Memory Utilization, Disk Utilization, Incoming Traffic, Outgoing Traffic, Incoming Error, Outgoing Error, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

1. Desktop ( 11 Reports)

This section provide a graphical representation of complete set of Availability, Health status & Interface Monitoring reports for Desktop category based on the CPU Utilization, Memory Utilization, Disk Utilization, Incoming Traffic, Outgoing Traffic, Incoming Error,

Outgoing Error, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

## 2. Servers (9 Reports)

This section provide a graphical representation of complete set of Availability, Health status & Interface Monitoring reports for Server category based on the CPU Utilization, Memory Utilization, Disk Utilization, Incoming Traffic, Outgoing Traffic, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

## 3. Domain Controllers (9 Reports)

This section provide a graphical representation of complete set of Availability, Health status & Interface Monitoring reports for Domain Controllers category based on the CPU Utilization, Memory Utilization, Disk Utilization, Incoming Traffic, Outgoing Traffic, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

## 4. Routers (10 Reports)

This section provide a graphical representation of complete set of Availability, Health status & Interface Monitoring reports for Routers based on the CPU Utilization<sup>+</sup>, Memory Utilization<sup>+</sup>, Incoming Traffic, Outgoing Traffic, Incoming Error, Outgoing Error, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

## 5. Switches (8 Reports)

This section provide a graphical representation of complete set of Availability, Health status & Interface Monitoring reports for Switches based on the Incoming Traffic, Outgoing Traffic, Incoming Error, Outgoing Error, Traffic Utilization( $R_x$  - incoming), Traffic Utilization( $T_x$  - outgoing), Total Bandwidth & Availability Report parameters.

## 5.0 Logging in as User

Every user within or outside the organization is provided a user id and password by the administrator and can login the application as an ordinary user or domain user. This helps the users to log in their complaints and the user is also given the permission to classify the call based on the complaints. The calls are then automatically assigned to the technician on the basis of the rule created by the Administrator. On each stages of the call

the user is alerted with an e-mail defining the status of the call. The user can also log the call with the service desk, and the service desk in turns assigns the call to the technician for response and resolution. The user can also select template based on which the call has to be logged.



The screenshot shows the InstIL software interface. On the left, there is a 'Tasks' section with a table:

Subject	Priority	Type
InstIL Meeting	High	Daily
HP Conference Meeting	High	Daily
Call log Template	Medium	Daily

On the right, there is a 'Home' section with a 'My Calls' table:

Status	Count
Open	14
Completed & Closed	15
Total	29

[New Call](#)

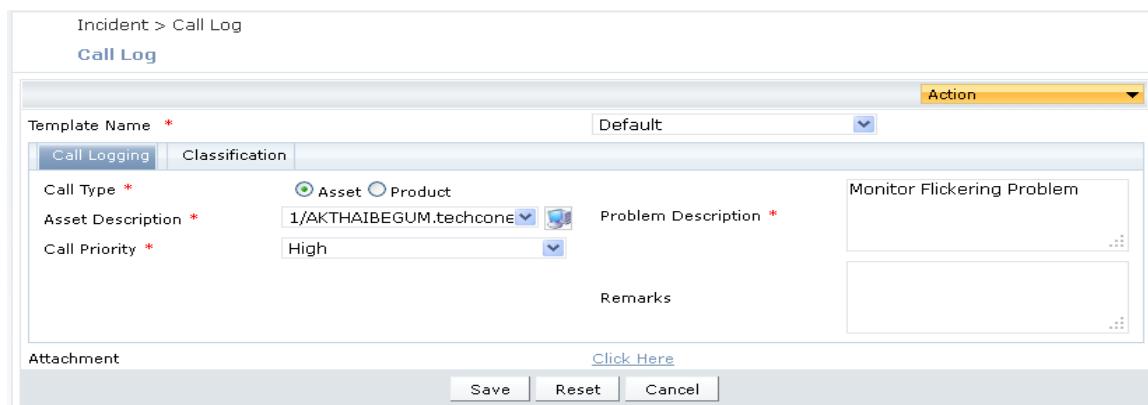
## Incident

### Call Log

This feature allows users to log in a service request or an incident with a proper description and also with a priority for the Service Desk to process accordingly. The user can add an attachment w.r.t to the incident logged. InstIL also provides an option for the user to classify the call and based on the classification defined the calls are automatically assigned to the Technician.

### Operation

To add a new call perform the following tasks



The screenshot shows the 'Call Log' form. The 'Template Name' field is set to 'Default'. The 'Call Type' field is set to 'Asset'. The 'Asset Description' field contains '1/AKTHAIBEGUM.techcone'. The 'Problem Description' field contains 'Monitor Flickering Problem'. The 'Call Priority' field is set to 'High'. There is a 'Remarks' section with two empty text areas. At the bottom, there is an 'Attachment' section with a 'Click Here' link, and buttons for 'Save', 'Reset', and 'Cancel'.

### Operation

1. Click New
2. Select the call type as Asset or Product
3. The asset description is automatically selected if the asset is linked to the user. If asset-user linking is not done select the asset from the drop down list
4. From the drop down list, select the priority at which the service needs to be attended.
5. The user can type the problem or the service request that needs to be solved.
6. Any additional information related to the problem can be provided in the Remarks column.
7. Click on Click Here link to add an attachment.
8. Click Save button to save the record created
9. Click Reset button to reset the entries.
10. Click Cancel button to cancel the process

## Call Logging based on the default template

Incident > Call Log

### Call Log

		Action
Template Name *	PIL	<input type="button" value="▼"/>
<input checked="" type="radio"/> Call Logging <input type="radio"/> Classification		
Call Type *	<input checked="" type="radio"/> Asset <input type="radio"/> Product	Phone No *
Asset Description *	1/BALAJI-RSALES.techcon	<input type="button" value="▼"/>
Call Priority *	Medium	Problem Description *
<p>Remarks</p> <div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>		
Attachment	<a href="#">Click Here</a>	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>		

## Operation

1. Click New to login an incident or service request.
2. Select the template name from the dropdown list for which the call is to be logged.
3. From the drop down list of Product Description, select your particular product.
4. The user can type the problem or the service request that needs to be solved.
5. Any additional information related to the problem can be provided in the Remarks column.
6. An attachment can also be added with the call logged.
7. Click Save button to save the record created
8. Click Reset button to reset the entries.

9. Click Cancel button to cancel the process

## Call Update

The Call update menu is enabled for the User for to view the calls assigned to him for the approval. The user based on the rights assigned to him does either approve or reject the request.

Incident > Call Update							
Call Update							
Action							
Searching and Filtering							
	<b>Id</b>	<b>User</b>	<b>Asset / Product Description</b>	<b>Problem Description</b>	<b>Priority</b>	<b>Call Date</b>	<b>Status</b>
	25	Barath	2/COMET.techconet.co.in / COMET	Data card request as I am travel	High	05/31/2011 05:18 PM	Approval Pending
	24	Akhari Begum	2/AKTHAIBEGUM.techconet.co.in	RAM Upgradation request for my	High	05/31/2011 05:18 PM	Approval Pending
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Id</b>	25		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>User</b>	Barath		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Asset / Product Description</b>	2/COMET.techconet.co.in / COMET.techconet.co.in		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Problem Description</b>	Data card request as I am traveling to Bangalore for deployment		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Priority</b>	High		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Call Date</b>	05/31/2011 05:18 PM		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Status</b>	Approval Pending		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Department</b>			
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Call Type</b>	Asset		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Execution Type</b>	Series		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Activity</b>	-		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Activity Type</b>	Approval		
<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Details</a>				<b>Sequence</b>	1		

## Operation

1. Select the call id from the grid
2. Select the approval status as Approved or Rejected
3. Select the Approved Date and Time
4. Provide remarks if any

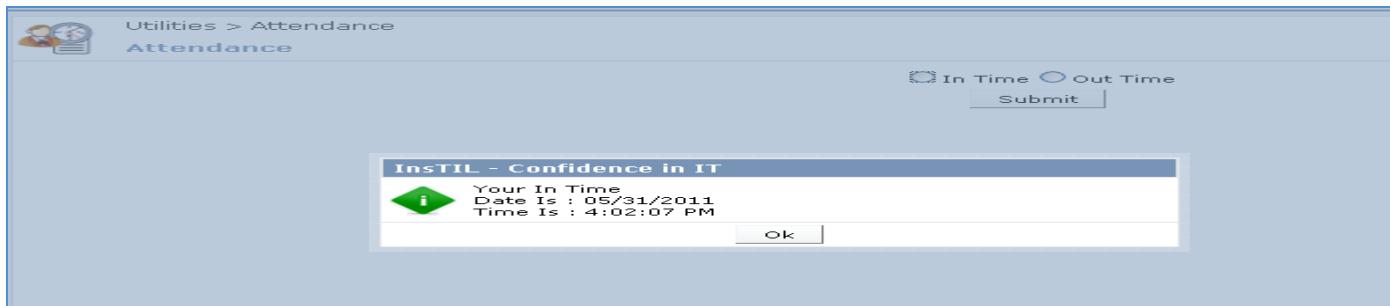
## Utilities

## Attendance

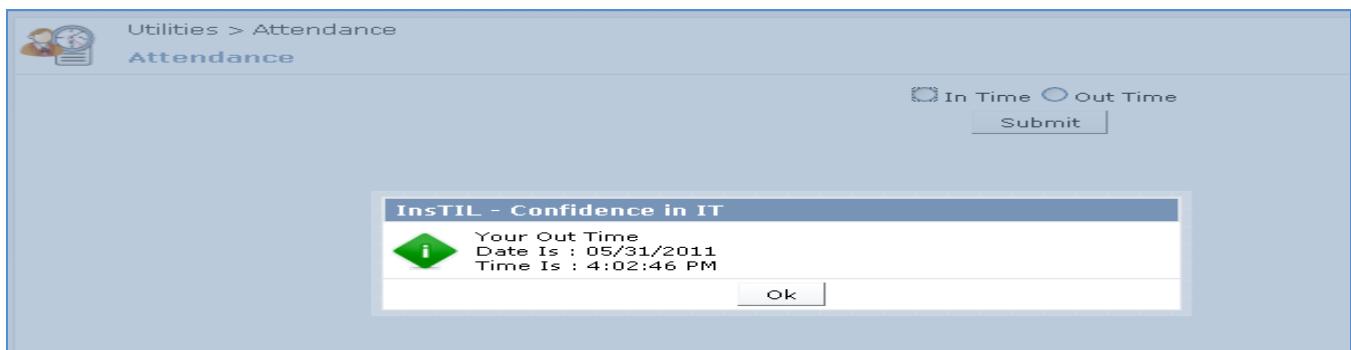
This feature enables the user to mark the Punch In time and Punch Out time for the particular day. This feature is made available for all the roles in InsTIL.

### Operation

1. Select Punch In time and submit which marks the in time for the user



2. Similarly select Punch Out time and submit which marks the out time for the user.



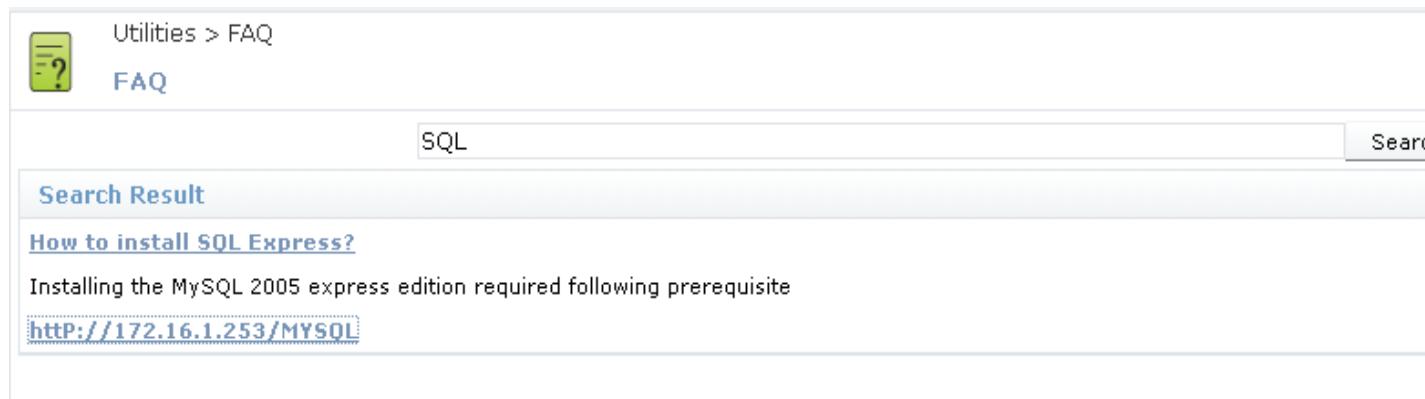
### Knowledge Base

User is provided with the knowledge base option to search for Incidents and the resolution pertaining to the incident provided by the IT team. The user has the permission only to view information updated in the knowledge base by providing a suitable keyword and the information w.r.t keyword is populated for the User.



## FAQ

FAQ is provided for the user to search for any documents or links which is added to the InsTIL FAQ by the administrator. The user can search by providing a particular keyword in the FAQ



## Change Password

This screen is used to change the password which is used by the user to login to the application. Only local user's password can be changed by the administrator.



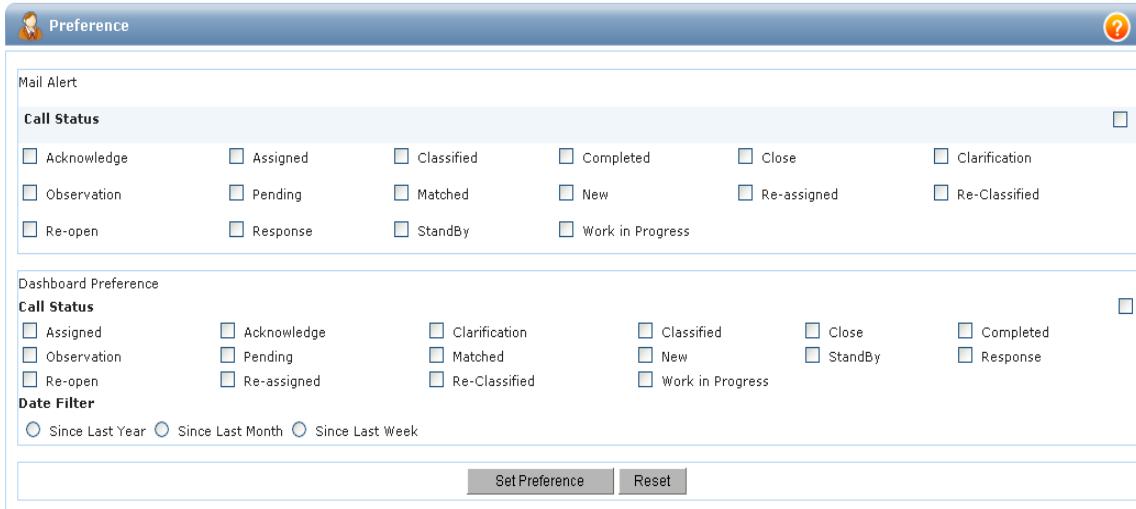
## Operation

1. Select Change Password from the Utilities menu
2. Type the current password
3. Type the new password and confirm new password
4. Click change to save the new password created

**Note:** Domain User's password can be changed only in the ADS

## Preferences

To set owner's favorite as default. It can be set by all categories (Administrator, User, Technician, IT manager, Service Desk) with their options provided. If the preferences are not set, the default settings are used. The screen for Preference is shown below.



The screenshot shows the 'Preference' window with the following sections:

- Mail Alert** (Header): Call Status
- Call Status** (Content):
 

<input type="checkbox"/> Acknowledge	<input type="checkbox"/> Assigned	<input type="checkbox"/> Classified	<input type="checkbox"/> Completed	<input type="checkbox"/> Close	<input type="checkbox"/> clarification
<input type="checkbox"/> Observation	<input type="checkbox"/> Pending	<input type="checkbox"/> Matched	<input type="checkbox"/> New	<input type="checkbox"/> Re-assigned	<input type="checkbox"/> Re-Classified
<input type="checkbox"/> Re-open	<input type="checkbox"/> Response	<input type="checkbox"/> StandBy	<input type="checkbox"/> Work in Progress		
- Dashboard Preference** (Header): Call Status
- Call Status** (Content):
 

<input type="checkbox"/> Assigned	<input type="checkbox"/> Acknowledge	<input type="checkbox"/> Clarification	<input type="checkbox"/> Classified	<input type="checkbox"/> Close	<input type="checkbox"/> Completed
<input type="checkbox"/> Observation	<input type="checkbox"/> Pending	<input type="checkbox"/> Matched	<input type="checkbox"/> New	<input type="checkbox"/> StandBy	<input type="checkbox"/> Response
<input type="checkbox"/> Re-open	<input type="checkbox"/> Re-assigned	<input type="checkbox"/> Re-Classified	<input type="checkbox"/> Work in Progress		
- Date Filter** (Content):
 

Since Last Year  Since Last Month  Since Last Week
- Buttons** (Bottom):
 

Set Preference | Reset

## Operation

### Mail Alert - Call Status:

Select the call status such as Acknowledge, Assigned, and Classified etc., (Can choose either one or all). The users would receive mail alerts for the call status based on the preferences set.

### Dashboard Preference - Call Status:

Select the call status such as Acknowledge, Assigned, Classified etc., (Can choose either one or all). The user's dashboard will have the call status displayed, based on the preferences set.

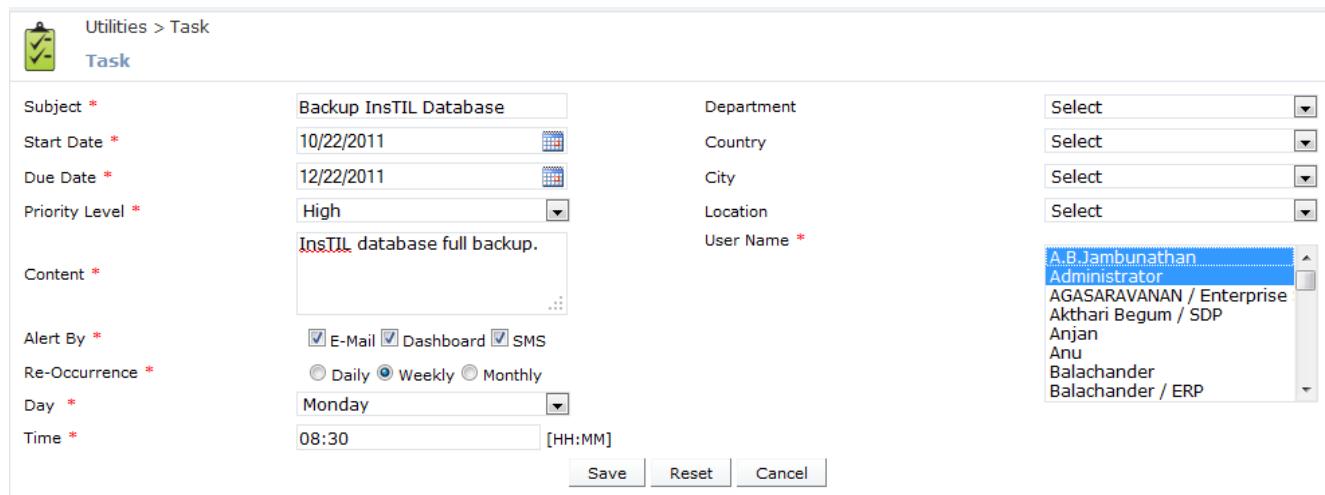
### Date Filter

This feature enables the user to set preference for the calls logged by user on yearly, monthly or weekly basis.

### Task

Task can be created and assigned to self and groups. Some of them include:

1. Backup Tasks.
2. Preventive maintenance task.
3. Information on meeting. Etc
4. Re-occurrence is set for Daily, Weekly and Monthly frequencies.



Utilities > Task

**Task**

Subject *	Backup InsTIL Database	Department	Select
Start Date *	10/22/2011	Country	Select
Due Date *	12/22/2011	City	Select
Priority Level *	High	Location	Select
Content *	InsTIL database full backup.	User Name *	A.B.Jambunathan AGASARAVANAN / Enterprise Akthari Begum / SDP Anjan Anu Balachander Balachander / ERP
Alert By *	<input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Dashboard <input checked="" type="checkbox"/> SMS	Re-Occurrence *	<input type="radio"/> Daily <input checked="" type="radio"/> Weekly <input type="radio"/> Monthly
Day *	Monday	Time *	08:30 [HH:MM]
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

### Operation:

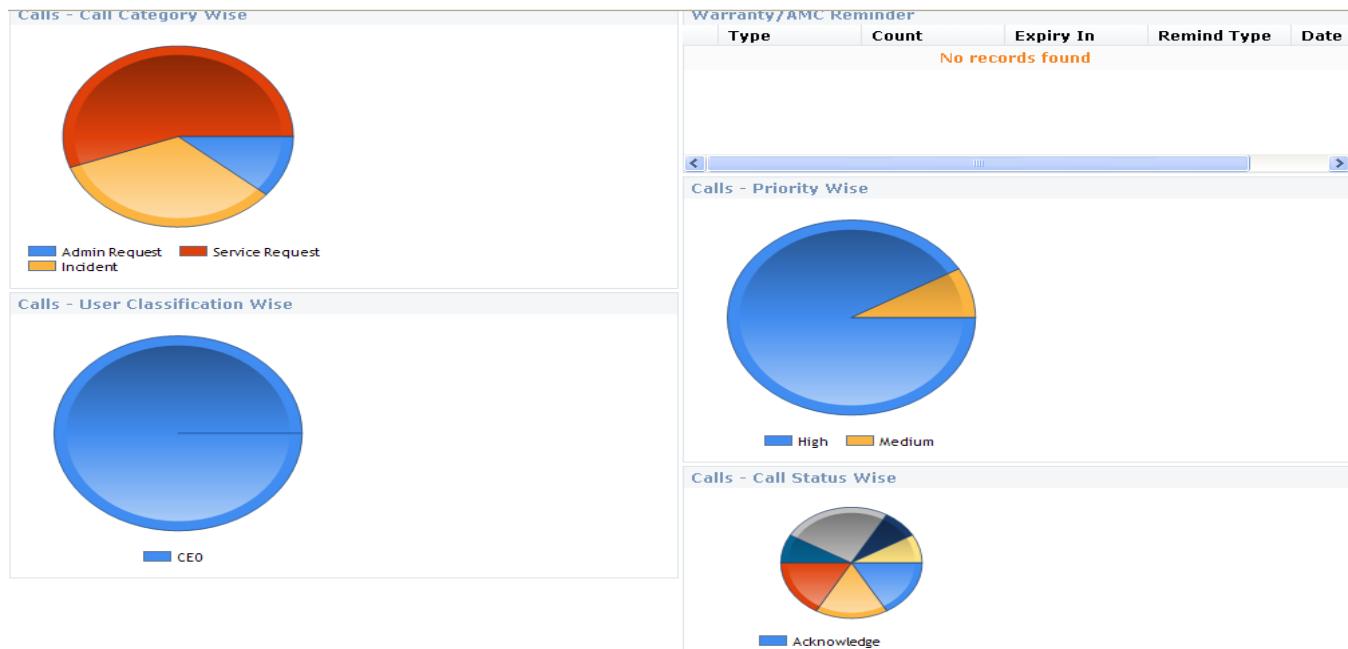
1. Click New
2. Enter the Subject – Brief outline of the task to be set
3. Enter the From Date – The task will be triggered starting from this date
4. Enter the Due Date of the task
5. Set the Priority level – High, Medium and Low
6. Enter the Content of the Task
7. Select Alert By - either through his dashboard or E-mail
8. Select the frequency of occurrence of the task- daily, weekly or monthly

9. Enter the time or day according to the re-occurrence
10. Select the user names whom the reminder has to be triggered
11. For selecting the department in a particular location:
  - e) Select the Department name.
  - f) Select the Country Name.
  - g) Select the City Name.
  - h) Select the Location name.
12. Click Save button to save the record created
13. Click Delete button to delete the record
14. Click Reset button to reset the entries.
15. Click Cancel button to cancel the process

## 6.0 Logging in as Service Desk

The Service Desk plays an important role in the application, the service desk can log calls on behalf of user, classify, assign/re-assign and update the calls. The incidents raised by the users are displayed in the home page of the Service Desk. Service Desk selects the particular call from the grid and assigns to the technician or Vendor. The service desk has the functionality to take the users system through remote and provide a first level solution to the issue raised and further updates the call. The service desk also has certain dashboard icons where he can view the call history, asset history, knowledge base and engineer statistics to analyze each calls. If the call logging process is self-automated, the Service desk will have its other functionality like call logging, classification, clarification and assign/re-assign process.

Home							
New		Action					
Searching and Filtering							
User Name	Asset Description	Problem Description	Call Date	Status	Assigned To	Depa	
u1	1/172.16.1.94 / 172.16.1.94	Mouse not working properly	5/31/2011 3:47:59 PM	New			
u1	1/172.16.1.94 / 172.16.1.94	Email send/Receive problem	5/31/2011 3:35:09 PM	New			
u1	1/BALAJIR.techconet.co.in / BAL/	keyboard problem	5/31/2011 1:13:19 PM	New			
u1	1/BALAJIR.techconet.co.in / BAL/	monitor issue	5/31/2011 1:03:33 PM	Acknowledge	tech2		
Sibi	1/172.16.1.94 / 172.16.1.94	test call	5/30/2011 1:13:50 PM	Classified			
u1	1/MILKYWAY.techconet.co.in / VM	printer not working	5/30/2011 12:51:34 PM	Re-Open			ITIL
u1	1/MILKYWAY.techconet.co.in / VM	RAM upgarde request	5/30/2011 12:46:49 PM	Completed(Reje	Admin		ITIL
Sibi	1/172.16.1.94 / 172.16.1.94	Outlook configuration request	5/30/2011 12:20:21 PM	Classified			
u1	1/MILKYWAY.techconet.co.in / VM	Monitor flickering problem	5/28/2011 10:32:09 AM	Acknowledge	tech2		ITIL
u1	1/MILKYWAY.techconet.co.in / VM	printer printing problem	5/28/2011 9:46:34 AM	Work in progres:	tech1 ,tech2		ITIL



## Service Desk - Incident

### Call Logging

1. The call logging tab is automatically updated if the user logs the call directly.
2. If SD logs the call on behalf of the user the following actions are performed.
  - a. Click New
  - b. Select the user name from the dropdown list – The initiator of the call
  - c. Select the Template name based on which the call is to be logged.
  - d. Select Call Logging check box.
  - e. Select the priority of the call- High, Medium and Low
  - f. Select the call origin – If the user logs the call through the InsTIL application, then the call origin will be Web as default. The call origin is selected as Phone or Email in other case.
  - g. Type the description of the call.
  - h. Click submit button to submit the call.

Incident > Call Update

**Call Update**

Action		
User Name *	Akthari Begum	
Template Name *	Default	
Initiated By	Select	
Initiated Name		
<input type="button" value="Logging"/> <input type="button" value="Classification"/> <input type="button" value="Assign"/> <input type="button" value="Update"/> <input type="button" value="Visit Details"/> <input type="button" value="SLA"/>		
<input checked="" type="checkbox"/> Call Logging		
Asset Description *	1/AKTHAIBEGUM.techcone	
Call Priority *	High	
Call Origin *	Web	
Call Log Date Time		
Problem Description *	Send/Receive error is outlook. Kindly resolve ASAP.	
Remarks		
Attachment	<input type="button" value="Browse..."/>	
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>		

## Call Classification

1. After the call is logged, the SD classifies the call based on the request/issue raised.
2. The SD does some initial investigation of the call and gives his feedback
3. The severity of the call is selected.
4. The call category, complaint and complaint detail related to the request/issues raised is classified
5. SLA override option is provided in case if the SD wants to override the organization calendar, so that the technician has to attend the call irrespective of the defined SLA.
6. Attachment option is also provided if the SD wants to add a screenshot related to the incident.

Incident > Call Update

Call Update

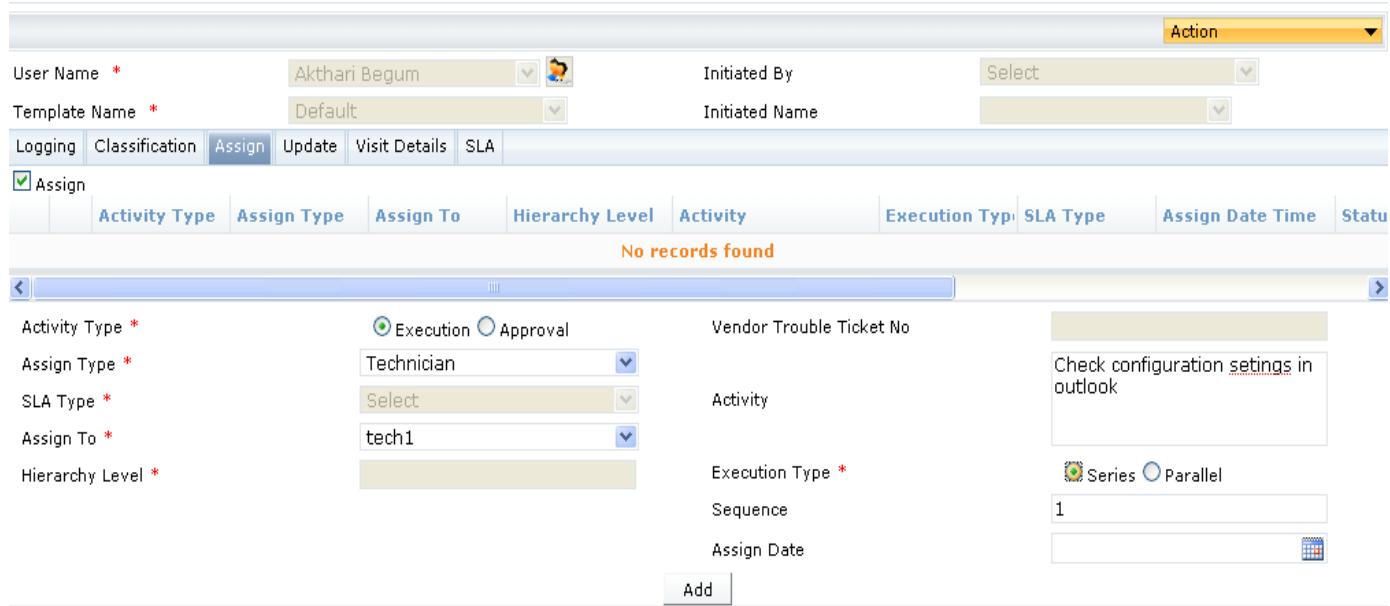
Action	
User Name *	Akthari Begum
Template Name *	Default
Initiated By	Select
Initiated Name	
<a href="#">Logging</a> <a href="#">Classification</a> <a href="#">Assign</a> <a href="#">Update</a> <a href="#">Visit Details</a> <a href="#">SLA</a>	
<input checked="" type="checkbox"/> Classification	
Service Desk Investigation *	Microsoft Outlook issue. User unable to send/receive mails from outlook
Call Category *	Incident
Severity *	Impacts business
Complaint *	Mail Issue
Complaint Detail *	Mail Box Related Issues
Prepone SLA	<input type="checkbox"/>
Attachment	<input type="button" value="Browse..."/>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

## Assign / Re-Assign

There are two activities involved in the Assign Process

**Execution Process** – In the execution process the incidents are assigned directly to the respective Technician, and the Technician updates the call upon resolving the incident. If the activity type is selected as Execution, then the following steps has to be done

1. Select Assign type as either Technician or Vendor
2. Select the Technician name form the dropdown for whom the incident is to be assigned
3. Define a activity for the Technician for resolving the incident
4. Select the Execution type as either Series or Parallel. This implies whenever a scenario like multiple person required for resolving an incident.
5. Click Add to add the technician selected
6. The same incident can also be assigned to multiple technician, in this scenario follow the above steps from 1 to 6
7. Click Submit to submit the incident



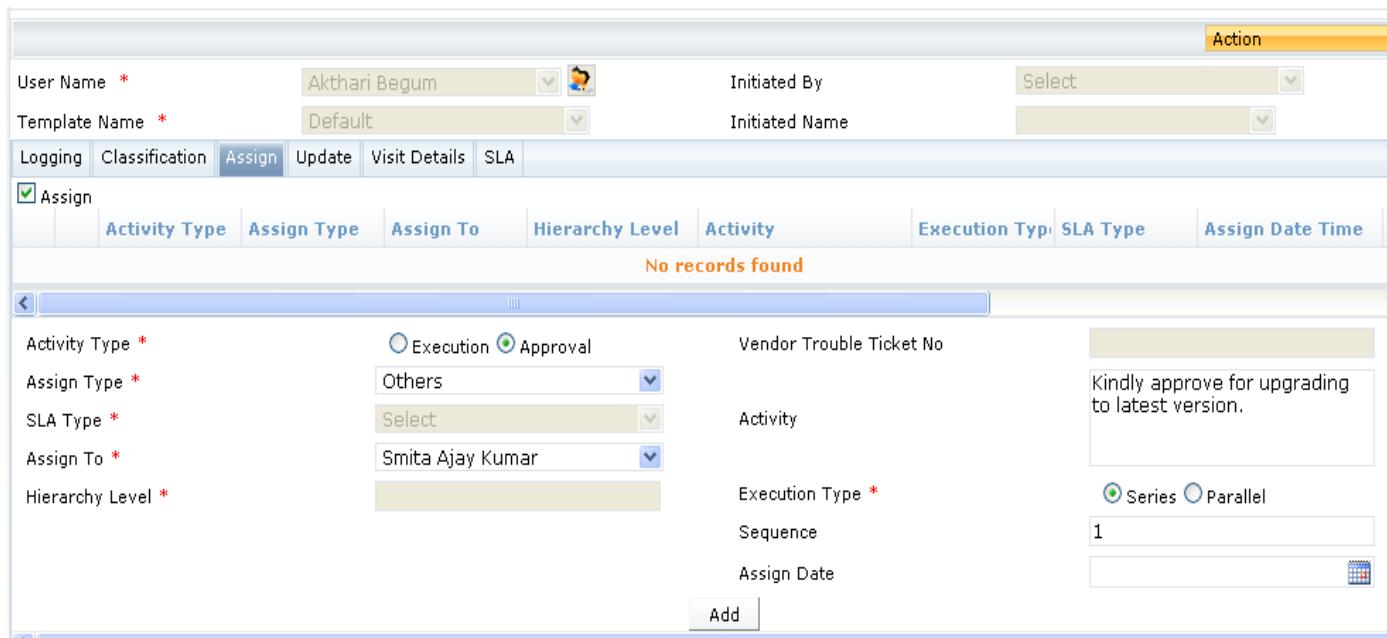
The screenshot shows a software interface for managing service requests. At the top, there are fields for 'User Name' (Akthari Begum) and 'Template Name' (Default). Below these are tabs for 'Logging', 'Classification', 'Assign' (which is selected), 'Update', 'Visit Details', and 'SLA'. The 'Assign' tab has a sub-tab 'Assign' selected. The main content area displays a table with the following data:

Activity Type *	Execution Approval	Vendor Trouble Ticket No
Assign Type *	Technician	Check configuration settings in outlook
SLA Type *	Select	Activity
Assign To *	tech1	Execution Type *
Hierarchy Level *		Sequence
		Assign Date

At the bottom of the table, there is a 'Add' button. The status bar at the bottom right shows 'Page 131 of 166'.

**Approval Process** – In the approval process for certain service request like any software purchase request, server access request, etc can be sent to either the Reporting Manager of the user or to any other user who is part of the domain. If the activity type is selected as Approval, then the following steps has to be done

1. Select Assign Type as either Manager or Others
2. If the Assign type is selected as Manager, then the incident is directly sent to the reporting manager of the user for Approval
3. If the Assign type is selected as Others, then select the user name for whom the incident has to be sent for approval
4. Define a activity for the approver to perform on the incident
5. Select the Execution type as either Series or Parallel. This implies whenever a scenario like multiple person required for approving an incident.
6. Click Add to add the approver selected
7. The same incident can also be sent to multiple approver , in this scenario follow the above steps from 1 to 6
8. Click Submit to submit the incident



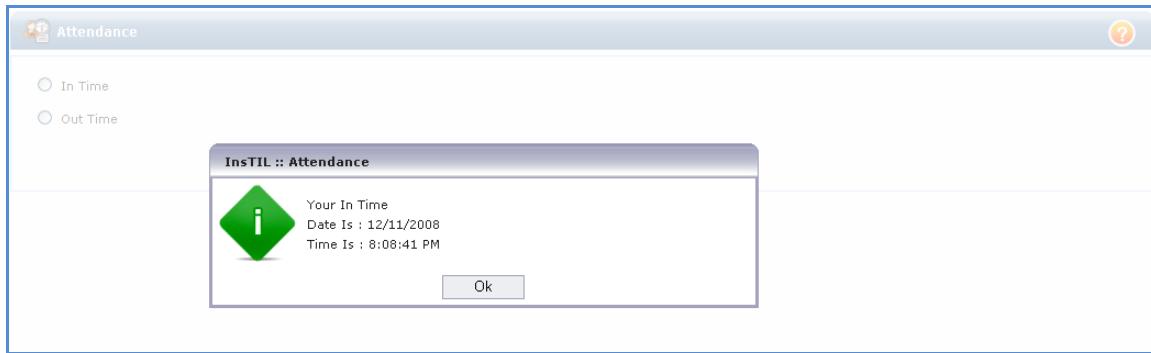
## Utilities

### Attendance

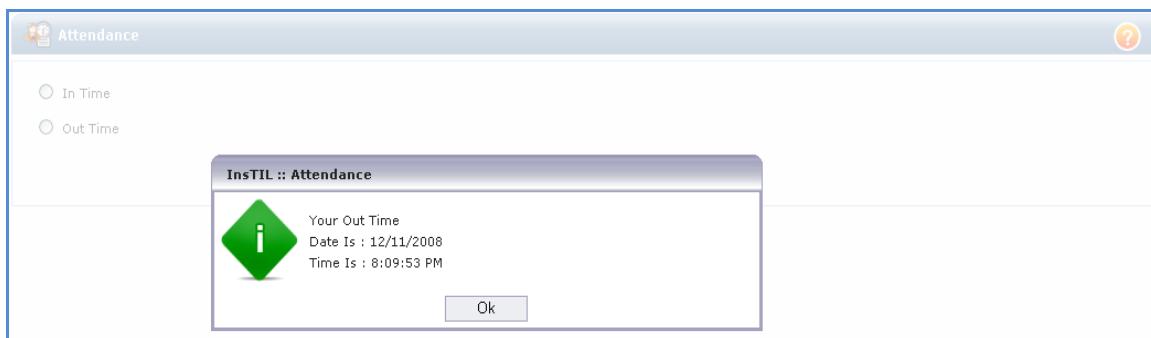
This feature enables the user to mark the Punch In time and Punch Out time for the particular day. This feature is made available for all the roles in InsTIL.

### Operation

1. Select Punch In time and submit which marks the in time for the user

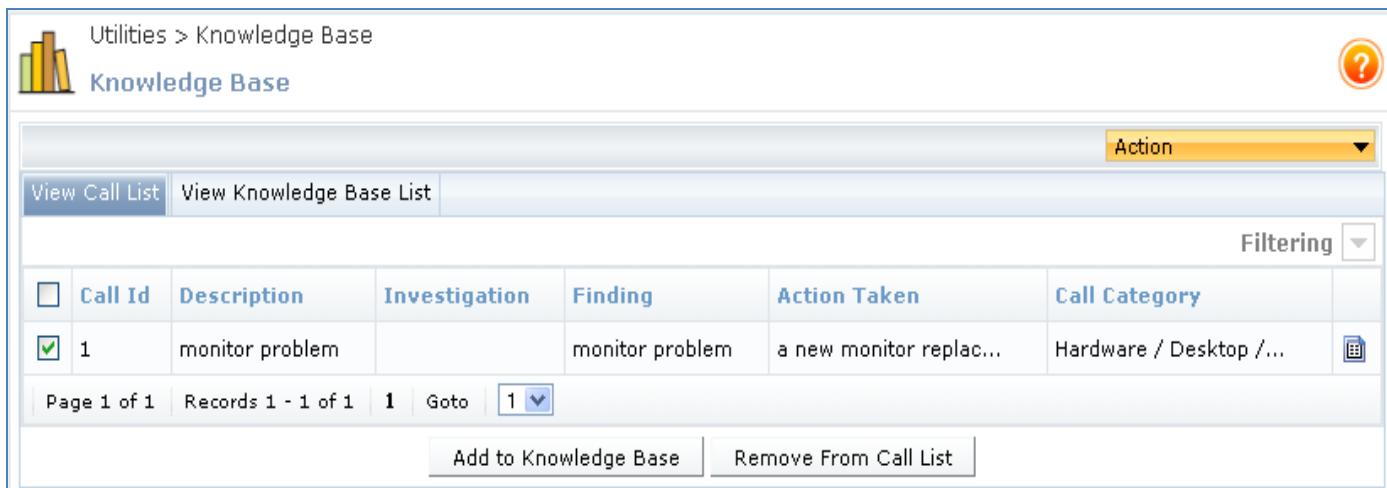


2. Similarly select Punch Out time and submit which marks the out time for the user.



## Knowledge Base

The knowledge base is populated with the information from the incident data. All incidents with status as Completed or Closed will be displayed in the Grid. These incidents can be moved to the knowledge base. The administrator has the provision for updating the knowledge base or the administrator can be given the permission for viewing the knowledge base alone.



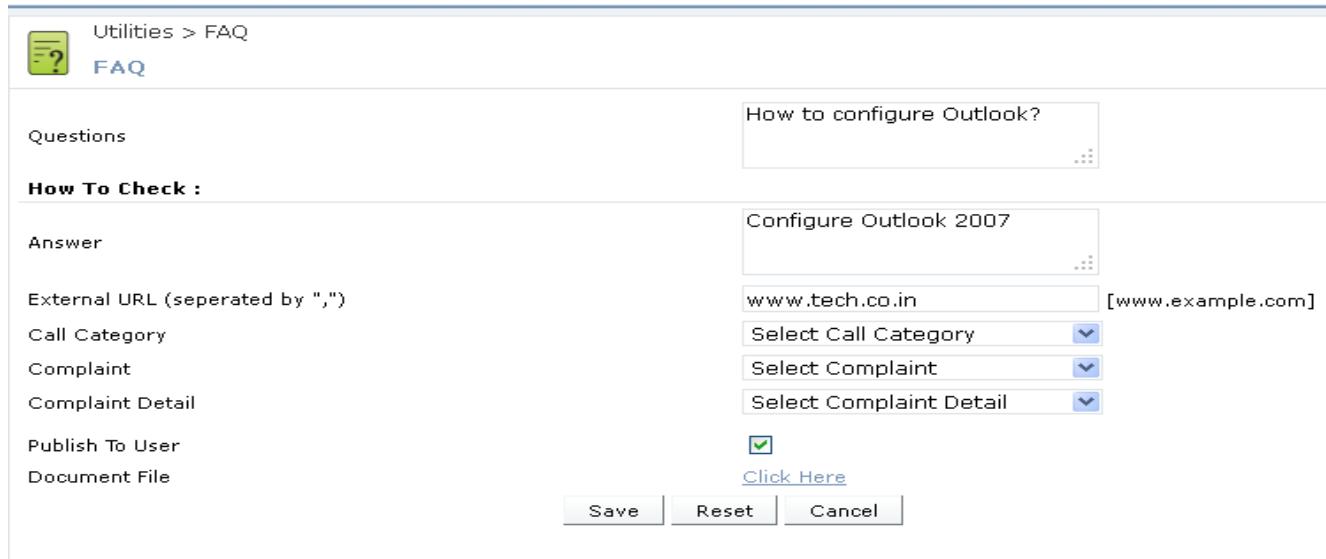
	Call Id	Description	Investigation	Finding	Action Taken	Call Category
<input checked="" type="checkbox"/>	1	monitor problem		monitor problem	a new monitor replac...	Hardware / Desktop /...

## Operation

8. The calls with the status closed and completed will be displayed in the grid.
9. Click view to see the complete call history of the call.
10. Select the calls that has to be added to the knowledge base
11. Click Add to Knowledge base to add the call to the knowledge base.
12. Click View Knowledge base to see the calls that are added in the knowledge base
13. To remove a call from the database, select the call and click Remove button.
14. To search a content from the knowledge base, type a keyword and click Search knowledge base

## FAQ

The FAQ module is to use to gather some information related to the queries posted .The FAQ can be updated by the Service desk, Administrator, Technician and IT Manager if permissions are given by the Administrator in the settings menu.



The screenshot shows a web-based application for managing Frequently Asked Questions (FAQ). The top navigation bar includes a 'FAQ' icon and the text 'Utilities > FAQ'. The main content area is divided into two main sections: 'Questions' and 'How To Check :'. The 'Questions' section contains a text input field with the placeholder 'How to configure Outlook?'. The 'How To Check :' section contains a 'Questions' table with the following rows:

Answer	Configure Outlook 2007
External URL (separated by ",")	www.tech.co.in [www.example.com]
Call Category	Select Call Category
Complaint	Select Complaint
Complaint Detail	Select Complaint Detail
Publish To User	<input checked="" type="checkbox"/>
Document File	<a href="#">Click Here</a>

At the bottom of the form are three buttons: 'Save', 'Reset', and 'Cancel'.

## Operation

9. Type the question for the FAQ (Search keyword)
10. Type the answer.
11. Type the Url(s) for providing the information.

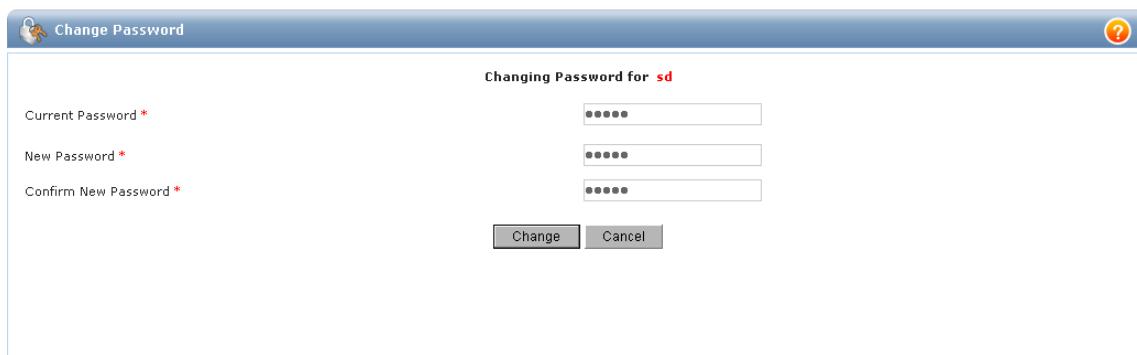
12. Upload a document file.
13. Select the Call Category, Complaint and Complaint detail (if needed), to group the FAQ.
14. Enable Publish to user knowledge base to be viewed by the end user.
15. Click Submit to save the FAQ created.
16. To view a FAQ select search FAQ and type the keyword to be searched and click search.

## Change Password

This screen is used to change the password. Only local user can change their password.

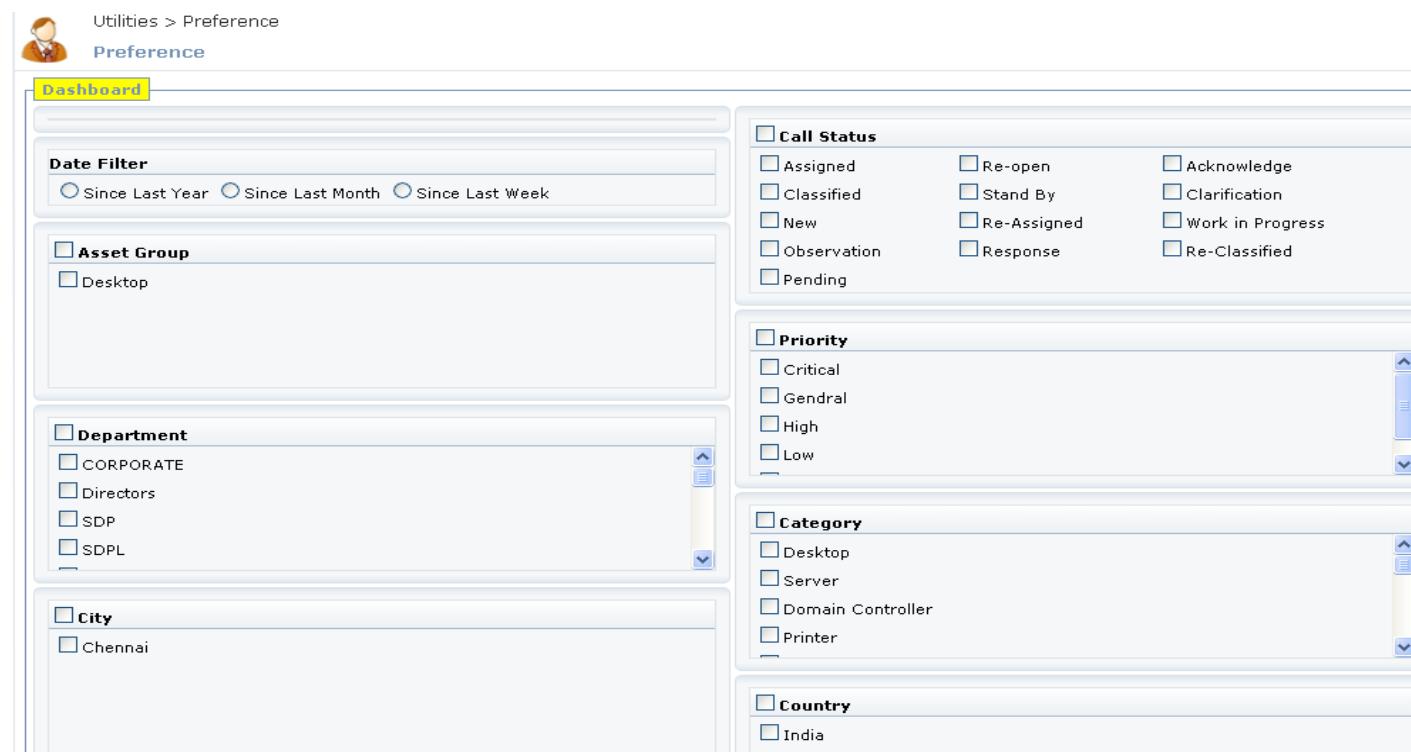
### Operation

1. Enter your current password
2. Enter your new password and confirm password
3. Click change to change the password



## Preference

To set owners favorite as default preference is used. The Service Desk can set Preference for dashboard based on call status and various other groupings. Service Desk can set preference such that the calls which are not closed by the user should close automatically within the days that have been defined by SD.



## Operation

1. Select Preference option from the Utilities
2. The screen for Preference is shown below
3. Select the call status that has to be displayed in the call detail list
4. Similarly the Service Desk can set preference for different categories like priority, Asset group, department etc
5. Click the Set Preference Button to set the Preferences.

## Task

Task can be created and assigned to self and groups. Some of them include:

- Backup Tasks.
- Preventive maintenance task.
- Information on meeting. Etc
- Re-occurrence is set for Daily, Weekly and Monthly frequencies.
- The screen for setting task is shown below

## Operation:

1. Click the Add New Task.
2. Enter the Subject – Brief outline of the task to be set
3. Enter the From Date – The task will be triggered starting from this date
4. Enter the Due Date of the task
5. Set the Priority level – High, Medium and Low
6. Enter the Content of the Task
7. Select Alert By - either through his dashboard or E-mail/SMS
8. Select the frequency of occurrence of the task- daily, weekly or monthly
9. Select the user names whom the reminder has to be triggered
10. For selecting the department in a particular location:
  11. Select the Department name.
  12. Select the Country Name.
  13. Select the City Name.
  14. Select the Location name.
15. Click Save button to save the record created
16. Click Delete button to delete the record
17. Click Reset button to reset the entries.
18. Click Cancel button to cancel the process.

## Reports

Service Desk has the complete call analysis report. The various groupings are listed below.

### **Call Analysis**

#### Call Details

The reports related to Call Analysis includes

1. Incident – Time wise – Based on priority, call type and user
2. Incident – Day wise - Based on priority, call type and user
3. Incident – Monthly - Based on priority, call type and user
4. Call Detail

- Asset
- Call category
- Call origin

- Call status
- Technician status
- Call analysis
- Technician performance
- FLS report
- Maximum Calls – Asset
- Maximum Calls – Call category
- Maximum Calls – Duration
- Maximum Calls – Engineer
- Maximum Calls – User
- Re-occurrence
- Wrong classification
- User
- Time sheet
- Call Summary
- Call Priority Summary
- Technician Pending calls
- Technician call summary
- Category based calls
- SLA Report
- Deviated/Pending calls – Engineer wise
- Incident at a glance report
- Summary reports
- Location wise call report
- Periodical call report

## 7.0 Logging In as Technician

A call once logged by the user will be assigned by the service desk to the concerned technician by considering the availability of the technician or the process will be automated. Once the Technician logs into the application, the calls assigned will be displayed at his/her home page. The technician cannot update the call unless the authorization is given by the administrator

The Technician will be able to provide

1. Information on action taken to resolve the problem.
2. Send a clarification to the user.
3. Re-assign the call , if the cal category selected by the user is wrong.
4. Check-in and Check-out date and time
5. Status such as Completed, Pending, Standby, Completed, Re-assigned etc.

Call Update									
		Asset History	Call History	User History			Knowledge Base		
ID	User	Asset Description	Description	Priority	Call Date	Status	Approvals	Execut	
98	User	LEO / 10/LEO	Mouse Problem	Urgent	12/23/2008 6:13:47 PM	Acknowledge	Approved - ThanikaChalam	Parallel	
97	User	COMET / 10/COMET	Mouse Problem	Very Important	12/23/2008 5:52:06 PM	Acknowledge	-	Parallel	
96	Priya	LEO / 10/LEO	ss	Important	12/23/2008 5:27:37 PM	Acknowledge	-	Parallel	
5630	Alagurani	00:19:bb:43:f5:d6 / ...	The Monitor value is...	Low	1/16/2009 9:09:04 PM	Acknowledge	-	Parallel	
547	Ayyappa	DRACO / 10/DRACO	Problem	Dont prefer	12/29/2008 4:32:30 PM	Acknowledge	-	Parallel	
5050	chandramohan	DUMP / 10/DUMP	sad	Important	1/15/2009 3:44:00 PM	Acknowledge	-	Parallel	

## Incident

### Call Log

This feature allows Technician to log in a service request or an incident with a proper description and also with a priority for the Service Desk to process accordingly. The user can add an attachment w.r.t to the incident logged. InsTIL also provides an option for the user to classify the call and based on the classification defined the calls are automatically assigned to the Technician.

## Operation

To add a new call perform the following tasks

Incident > Call Log

Call Log

Template Name \* Default

Action

Call Logging	Classification
Call Type *	<input checked="" type="radio"/> Asset <input type="radio"/> Product
Asset Description *	1/AKTHAIBEGUM.techcone
Call Priority *	High
Problem Description *	
Monitor Flickering Problem	
Remarks	
Attachment <a href="#">Click Here</a>	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

## Operation

1. Click New
2. Select the call type as Asset or Product
3. The asset description is automatically selected if the asset is linked to the user. If asset-user linking is not done select the asset from the drop down list
4. From the drop down list, select the priority at which the service needs to be attended.
5. The user can type the problem or the service request that needs to be solved.
6. Any additional information related to the problem can be provided in the Remarks column.
7. Click on Click Here link to add an attachment.
8. Click Save button to save the record created
9. Click Reset button to reset the entries.
10. Click Cancel button to cancel the process

## Call Logging based on the default template

Incident > Call Log

Call Log

Template Name \* PIL

Action

Call Logging	Classification
Call Type *	<input checked="" type="radio"/> Asset <input type="radio"/> Product
Asset Description *	1/BALAJI-RSALES.techcone
Call Priority *	Medium
Phone No *	9856256255
Problem Description *	Keyboard Problem-Some keys are not functioning properly.
Remarks	
Attachment <a href="#">Click Here</a>	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

## Operation

1. Click New to login an incident or service request.
2. Select the template name from the dropdown list for which the call is to be logged.
3. From the drop down list of Product Description, select your particular product.
4. The user can type the problem or the service request that needs to be solved.
5. Any additional information related to the problem can be provided in the Remarks column.
6. An attachment can also be added with the call logged.
7. Click Save button to save the record created
8. Click Reset button to reset the entries.
9. Click Cancel button to cancel the process

## Call Update

Once the technician receives the call on his/her home page, technician can update the status for the call by finding the problem and providing a solution. The various call status provided for the technician while updating a call is as follows

1. Pending - This status tells about the call pending, where the same technician has to close and if it exceeds the SLA, it will be in the deviation.
2. Completed - This status tells about the completed call by Technician and the call will be in the customer's basket for his feedback.
3. Response - This status will provide an advantage to technician to give his responsiveness towards the call, meanwhile he shall attend the call as per the priority.
4. Re assigned - This status tells about the engineer is unable to complete the call and needs to reassign to the Service Desk, the SD the assigns call to another technician or a Vendor
5. Standby - There may be calls which cannot be closed by giving the resolution on the same machine, hence engineer has provided the standby in order maintain the SLA.
6. Observation - The engineer has completed the call but he wants to make the system under observation to complete the call satisfactorily

## Operation

1. The technician troubleshoots the call assigned to him.
2. The actual complaint, action taken for the call and Action taken category should be entered.
3. The Technician updates the current status of the call
4. Browse and upload any file if required relating with the incident.
5. Use Remarks field to enter any additional description

6. Check-in and check-out dates are automatically updated if authorization is provided by the administrator.
7. Once the technician selects the call from the grid, the status will be Response and the check in time will be the same as the server time.
8. After troubleshooting the incident , the technician selects the particular call and based on the status the call is updated
9. Technician can provide a Plan start date and plan end date for each call and start working accordingly
10. Technician can even send an approval for the call if required.
11. Click Submit button to save the call

## Call Timesheet

The call timesheet option is available for the Technician to update the duration taken for a particular activity assigned to him or to update on behalf of any other person on the same group.

Utilities > Time Sheet  
**Call Timesheet**

Searching and Filtering ▾

	Call Id	User Name	Asset Description	Problem Description	Call Priority	Call Log Date Time	Assign To	Call Status
	9	u1	1/BALAJIR.techconet....	monitor issue	High	5/31/2011 1:03:33 PM	tech2	Acknowledge
	8	Sibi	1/172.16.1.94 / 172....	test call	High	5/30/2011 1:13:50 PM	-	Classified
	7	u1	1/MILKYWAY.techconet...	printer not working	High	5/30/2011 12:51:34 PM	-	Re-Open
	6	u1	1/MILKYWAY.techconet...	RAM upgarde request	High	5/30/2011 12:46:49 PM	-	Completed(Rejected)
	5	Sibi	1/172.16.1.94 / 172....	System performance i...	High	5/30/2011 12:25:38 PM	tech1	Close
	4	Sibi	1/172.16.1.94 / 172....	Outlook configuratio...	High	5/30/2011 12:20:21 PM	-	Classified
	3	Sibi	1/172.16.1.94 / 172....	Send/Receive error i...	Medium	5/30/2011 11:31:24 AM	SD	Close
	2	u1	1/MILKYWAY.techconet...	Monitor flickering p...	High	5/28/2011 10:32:09 AM	tech2	Acknowledge
	13	Akthari Begum	1/AKTHAIBEGUM.techco...	Send/Receive error i...	High	6/13/2011 12:25:16 PM	-	Classified
	12	u1	1/172.16.1.94 / 172....	Mouse not working pr...	High	5/31/2011 3:47:59 PM	-	New

Page 1 of 2    Records 1 - 10 of 13    1 2 ▶ Goto 1 ▾

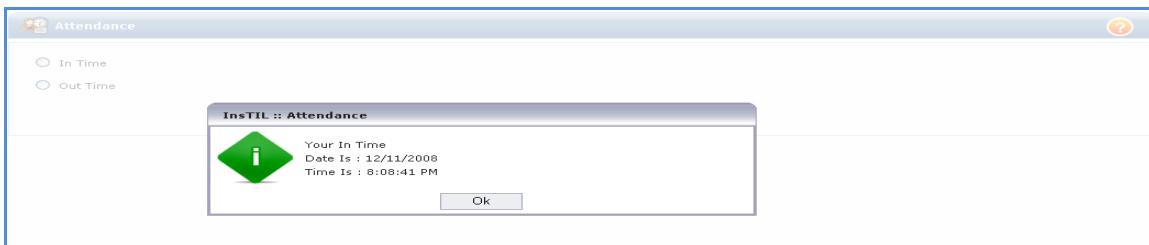
## Utilities

### Attendance

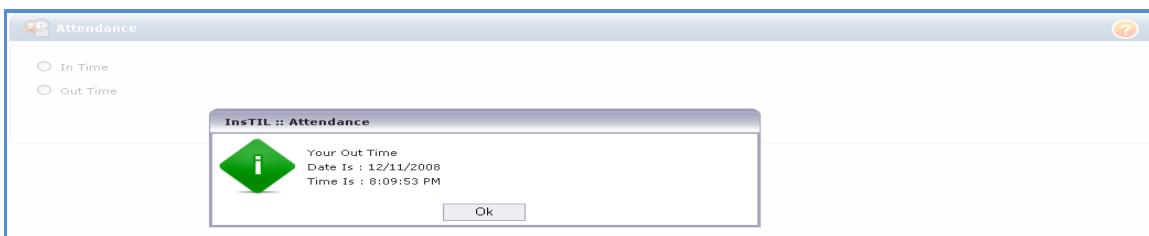
This feature enables the user to mark the Punch In time and Punch Out time for the particular day. This feature is made available for all the roles in InsTIL.

### Operation

1. Select Punch In time and submit which marks the in time for the user

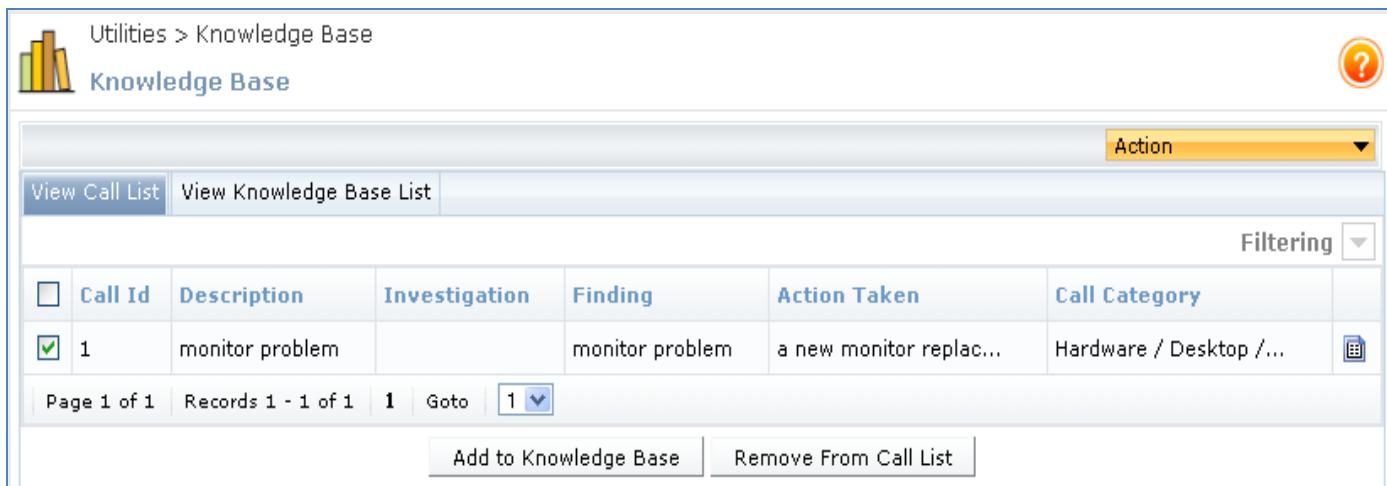


2. Similarly select Punch Out time and submit which marks the out time for the user.



## Knowledge Base

The knowledge base is populated with the information from the incident data. All incidents with status as Completed or Closed will be displayed in the Grid. These incidents can be moved to the knowledge base. The administrator has the provision for updating the knowledge base or the administrator can be given the permission for viewing the knowledge base alone.



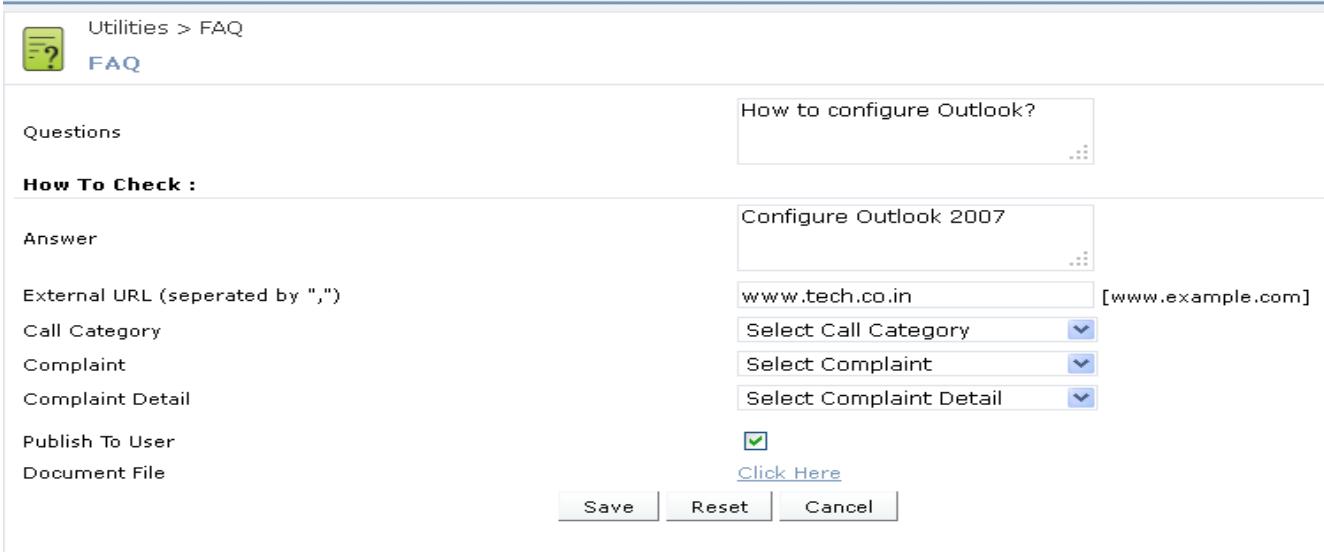
Call Id	Description	Investigation	Finding	Action Taken	Call Category
1	monitor problem		monitor problem	a new monitor replac...	Hardware / Desktop /...

## Operation

1. The calls with the status closed and completed will be displayed in the grid.
2. Click view to see the complete call history of the call.
3. Select the calls that has to be added to the knowledge base
4. Click Add to Knowledge base to add the call to the knowledge base.
5. Click View Knowledge base to see the calls that are added in the knowledge base
6. To remove a call from the database, select the call and click Remove button.
7. To search content from the knowledge base, type a keyword and click Search knowledge base

## FAQ

The FAQ module is to use to gather some information related to the queries posted .The FAQ can be updated by the Service desk, Administrator, Technician and IT Manager if permissions are given by the Administrator in the settings menu.



Utilities > FAQ

FAQ

Questions

How to configure Outlook?

How To Check :

Answer

Configure Outlook 2007

External URL (seperated by ",")

Select Call Category

Select Complaint

Select Complaint Detail

Publish To User

Document File

Click Here

Save | Reset | Cancel

## Operation

1. Type the question for the FAQ (Search keyword)
2. Type the answer.
3. Type the Url(s) for providing the information.
4. Upload a document file.
5. Select the Call Category, Complaint and Complaint detail (if needed), to group the FAQ.

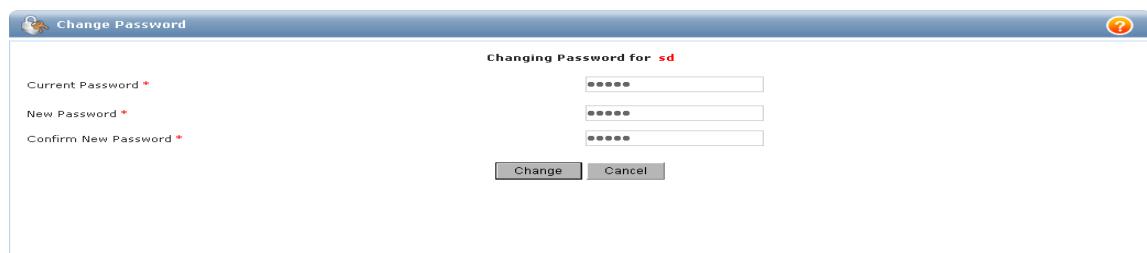
6. Enable Publish to user knowledge base to be viewed by the end user.
7. Click Submit to save the FAQ created.
8. To view a FAQ select search FAQ and type the keyword to be searched and click search.

## Change Password

This screen is used to change the password. Only local user can change their password.

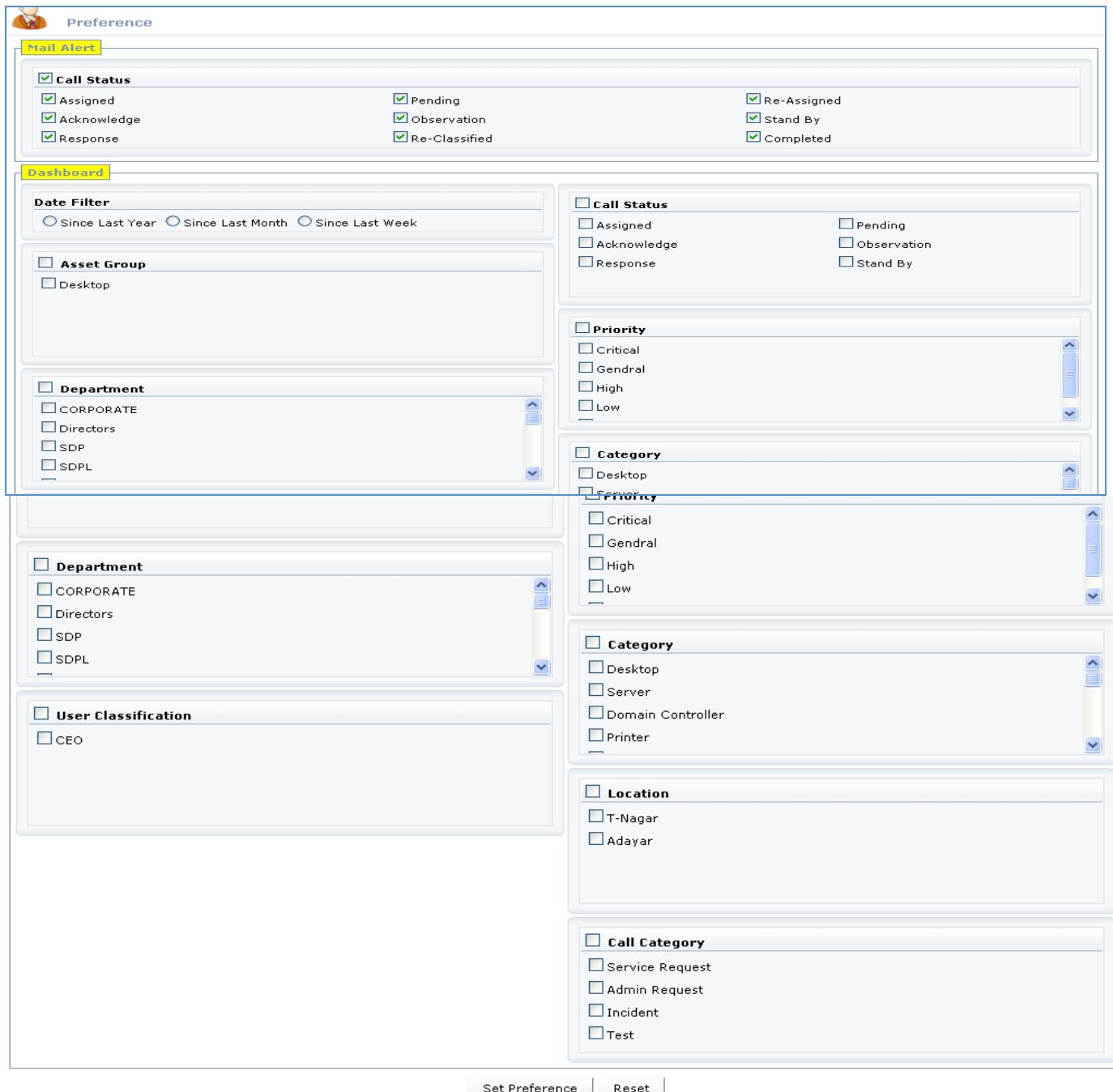
### Operation

1. Enter your current password
2. Enter your new password and confirm password
3. Click change to change the password



## Preferences

Preferences feature helps you to set mail alerts for particular status calls and dashboard preferences on home page depending on the call status, date filters, priority, asset group, category, department, location, user classification and call category. If the preferences are not set, the default settings will be used



**Mail Alert**

**Call Status**

- Assigned
- Acknowledge
- Response
- Pending
- Observation
- Re-Classified
- Re-Assigned
- Stand By
- Completed

**Dashboard**

**Date Filter**

- Since Last Year
- Since Last Month
- Since Last Week

**Asset Group**

- Desktop

**Call Status**

- Assigned
- Acknowledge
- Response
- Pending
- Observation
- Stand By

**Priority**

- Critical
- General
- High
- Low

**Category**

- Desktop
- Server
- Domain Controller
- Printer

**Department**

- CORPORATE
- Directors
- SDP
- SDPL

**User Classification**

- CEO

**Location**

- T-Nagar
- Adayar

**Call Category**

- Service Request
- Admin Request
- Incident
- Test

**Set Preference** | **Reset**

## Operation

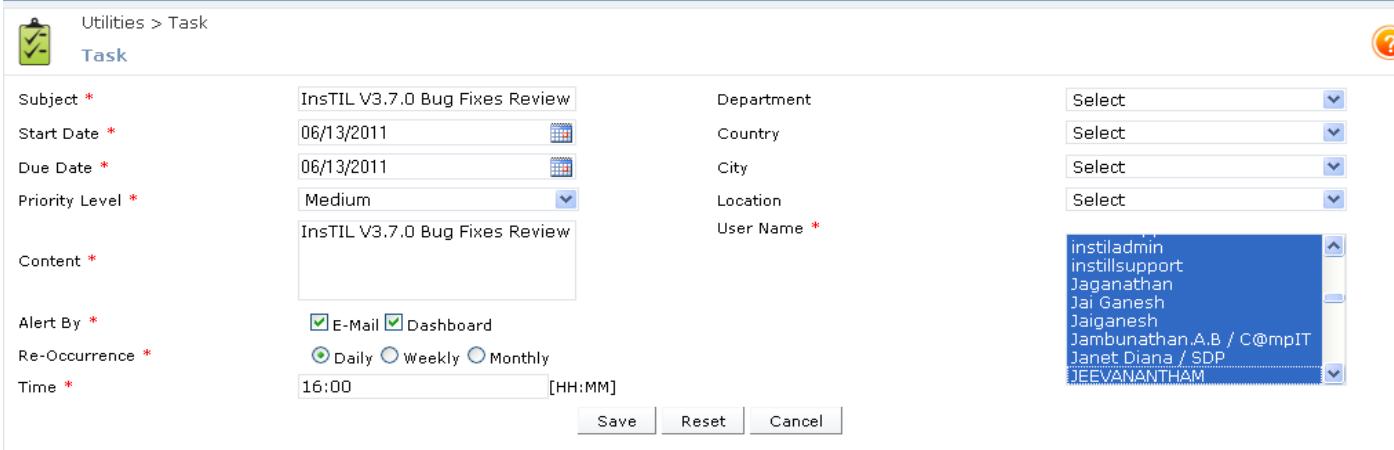
1. Click Preferences on the home page.
2. Click the required status calls for mail alerts.
3. Click the required status calls for dashboard preferences.
4. Select the date filter.
5. Select the priority.

6. Select the required asset group, category, department, location, user classification, call category.
7. Click Set Preference to save the settings.
8. Click Reset button to reset the field entries.

## Task

Task can be created and assigned to self and groups. Some of them include:

- a. Backup Tasks.
- b. Preventive maintenance task.
- c. Information on meeting. Etc
- d. Re-occurrence is set for Daily, Weekly and Monthly frequencies.



Utilities > Task

**Task**

Subject *	InsTIL V3.7.0 Bug Fixes Review	Department	Select
Start Date *	06/13/2011	Country	Select
Due Date *	06/13/2011	City	Select
Priority Level *	Medium	Location	Select
Content *	InsTIL V3.7.0 Bug Fixes Review	User Name *	Select
Alert By *	<input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Dashboard		
Re-Occurrence *	<input checked="" type="radio"/> Daily <input type="radio"/> Weekly <input type="radio"/> Monthly		
Time *	16:00	[HH:MM]	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>			

The 'User Name' dropdown menu is open, showing the following list of names:

- instiladmin
- instillsupport
- Jaganathan
- Jai Ganesh
- Jaiganesh
- Jambunathan.A.B / C@mpIT
- Janet Diana / SDP
- DEEVANANTHAM

## Operation:

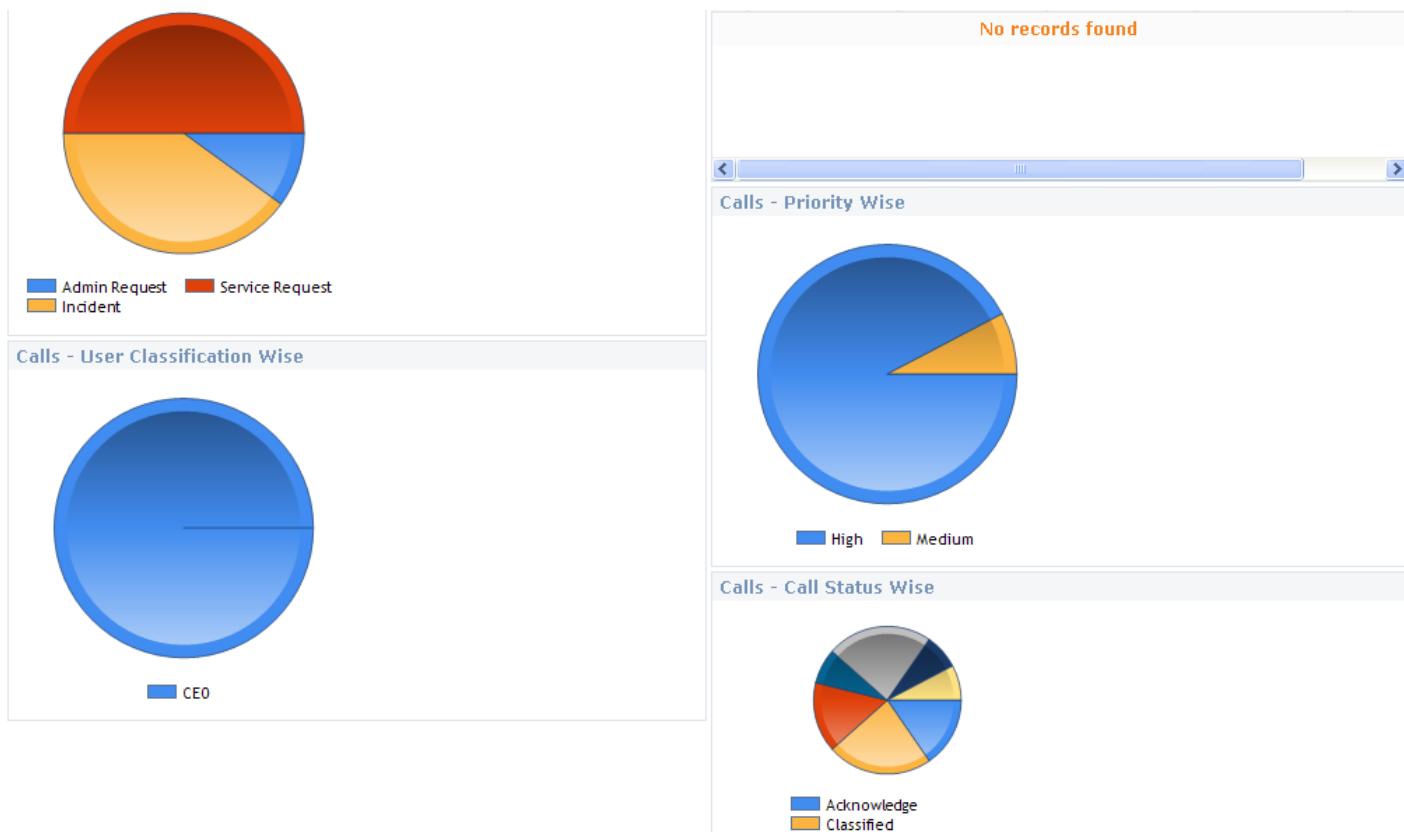
1. Click the Add New Task.
2. Enter the Subject – Brief outline of the task to be set
3. Enter the From Date – The task will be triggered starting from this date
4. Enter the Due Date of the task
5. Set the Priority level – High, Medium and Low
6. Enter the Content of the Task
7. Select Alert By - either through his dashboard or E-mail
8. Select the frequency of occurrence of the task- daily, weekly or monthly
9. Enter the time or day according to the re-occurrence
10. Select the user names whom the reminder has to be triggered
11. For selecting the department in a particular location:

12. Select the Department name.
13. Select the Country Name.
14. Select the City Name.
15. Select the Location name.
16. Click Save button to save the record created
17. Click Delete button to delete the record
18. Click Reset button to reset the entries.
19. Click Cancel button to cancel the process

## 8.0 Logging in as IT Manager

InsTIL provides the flexibility of generating various reports related to Asset, Call Analysis, SLA Analysis. The IT Manager can generate reports like Asset detail, Reminders on Annual Maintenance Contract, Lapsed and Expired Warranty and Asset Transfer. IT Manager can generate reports analyzing on Calls received, response and resolution. IT Manager can analyze Incident based on Time wise, Day wise and Monthly reports.

Detail on total calls received, response and resolution provided can also be analyzed by the IT Manager. Most importantly, analysis report on Service Level Agreement provides critical information related to the response, resolution and uptime commitment and the deviation of the service provided. ITM can close or re-open the call on be-half of the user.



## Incident

### Call Update

Once the technician receives the call on his/her home page, technician can update the status for the call by finding the problem and providing a solution. The various call status provided for the technician while updating a call is as follows

- Pending - This status tells about the call pending, where the same technician has to close and if it exceeds the SLA, it will be in the deviation.
- Completed - This status tells about the completed call by Technician and the call will be in the customer's basket for his feedback.
- Response - This status will provide an advantage to technician to give his responsiveness towards the call, meanwhile he shall attend the call as per the priority.
- Re assigned - This status tells about the engineer is unable to complete the call and needs to reassign to the Service Desk, the SD the assigns call to another technician or a Vendor
- Standby - There may be calls which cannot be closed by giving the resolution on the same machine, hence engineer has provided the standby in order maintain the SLA.

- f. Observation - The engineer has completed the call but he wants to make the system under observation to complete the call satisfactorily

### **Operation**

1. The technician troubleshoots the call assigned to him.
2. The actual complaint, action taken for the call and Action taken category should be entered.
3. The Technician updates the current status of the call
4. Browse and upload any file if required relating with the incident.
5. Use Remarks field to enter any additional description
6. Check-in and check-out dates are automatically updated if authorization is provided by the administrator.
7. Once the technician selects the call from the grid, the status will be Response and the check in time will be the same as the server time.
8. After troubleshooting the incident , the technician selects the particular call and based on the status the call is updated
9. Technician can provide a Plan start date and plan end date for each call and start working accordingly
10. Technician can even send an approval for the call if required.
11. Click Submit button to save the call

### **Call Close**

The IT Manager has the provision to close or re-open the completed calls updated by the technician. This permission is also given to the user for the calls logged by him.

### **Operation**

1. Select the call from the grid
2. Provide a feedback for the Incident raised
3. Select the status as Close/Re-open

Utilities > Call Close

**Call Close**

Call Id	6
Feedback *	User satisfied with the resolution provided
Status *	Close
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>	

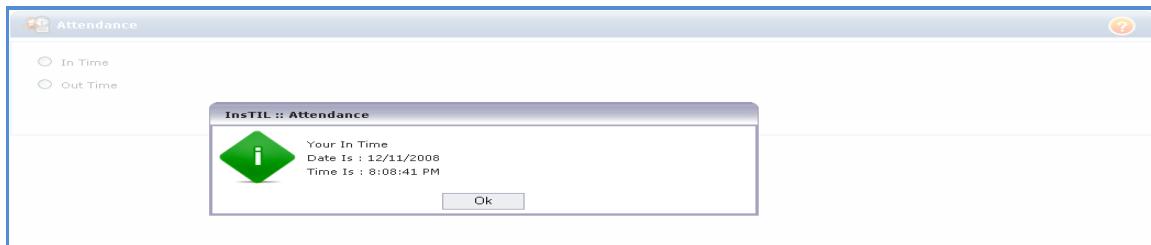
## Utilities

### Attendance

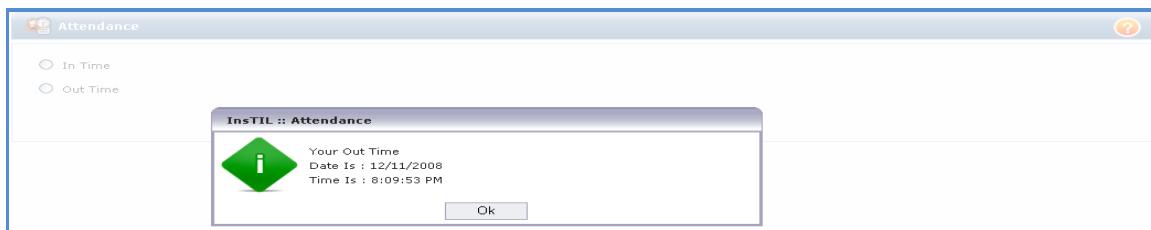
This feature enables the user to mark the Punch In time and Punch Out time for the particular day. This feature is made available for all the roles in InsTIL.

#### Operation

1. Select Punch In time and submit which marks the in time for the user

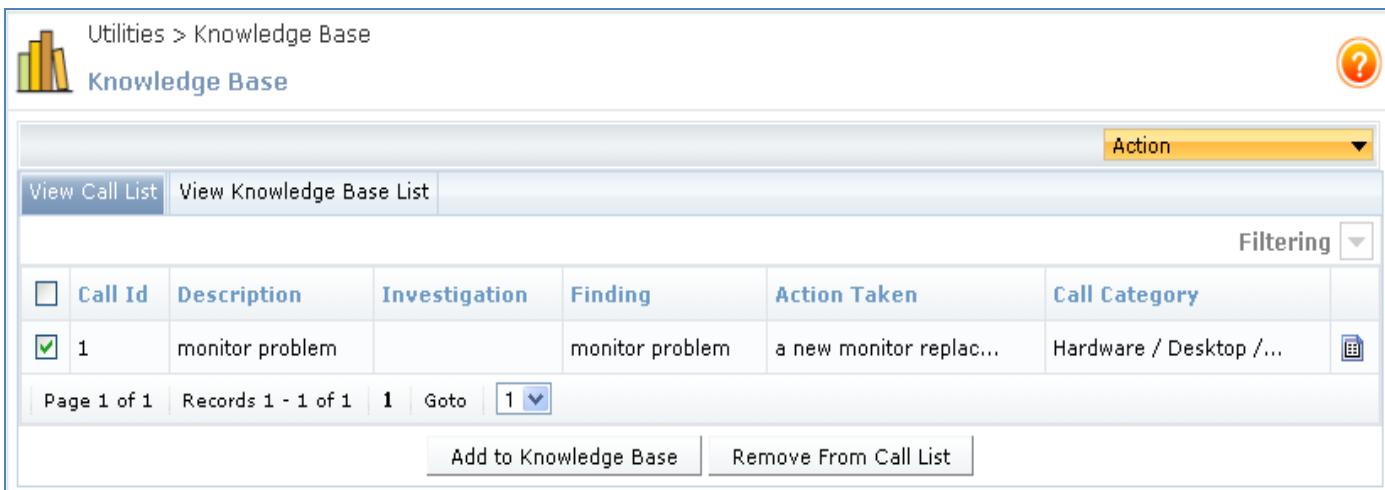


2. Similarly select Punch Out time and submit which marks the out time for the user.



## Knowledge Base

The knowledge base is populated with the information from the incident data. All incidents with status as Completed or Closed will be displayed in the Grid. These incidents can be moved to the knowledge base. The administrator has the provision for updating the knowledge base or the administrator can be given the permission for viewing the knowledge base alone.



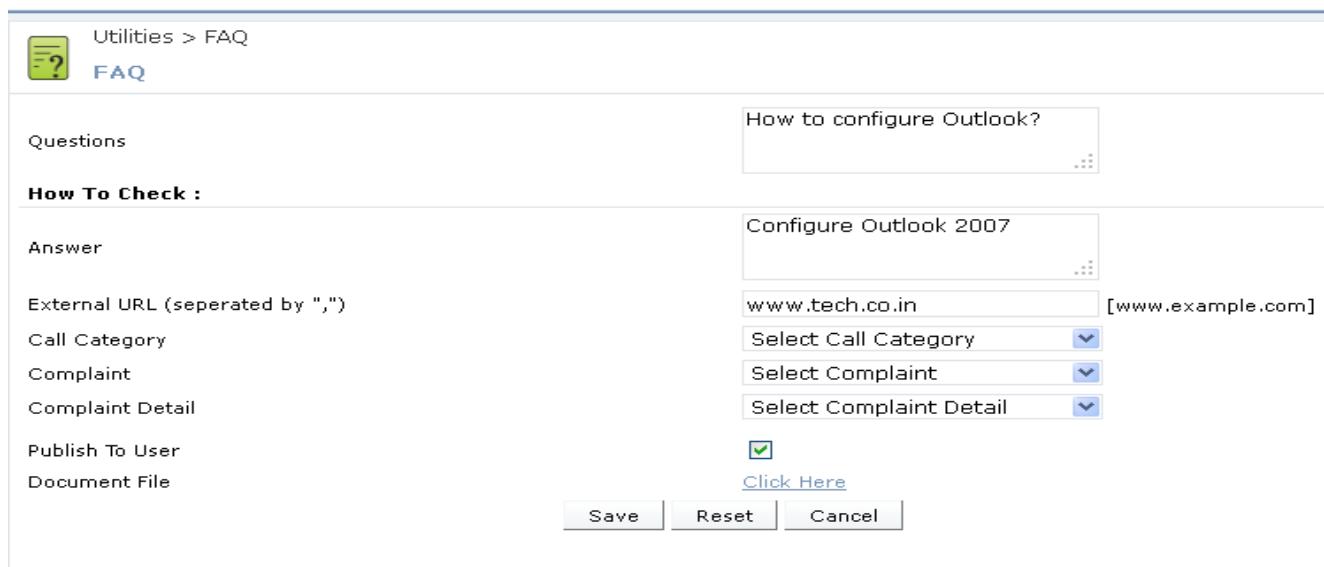
The screenshot shows a software interface titled 'Utilities > Knowledge Base' with a sub-section 'Knowledge Base'. At the top, there are two buttons: 'View Call List' (disabled) and 'View Knowledge Base List'. Below these is a toolbar with a magnifying glass icon and a dropdown menu labeled 'Action'. A 'Filtering' button is also present. The main area is a grid table with the following columns: Call Id, Description, Investigation, Finding, Action Taken, and Call Category. A single row is visible, showing '1' as the Call Id, 'monitor problem' as the Description, 'monitor problem' as the Finding, 'a new monitor replac...' as the Action Taken, and 'Hardware / Desktop /...' as the Call Category. A checkmark is present in the Call Id column for this row. At the bottom of the grid, there are buttons for 'Add to Knowledge Base' and 'Remove From Call List'. Below the grid, a status bar shows 'Page 1 of 1' and 'Records 1 - 1 of 1'.

## Operation

1. The calls with the status closed and completed will be displayed in the grid.
2. Click view to see the complete call history of the call.
3. Select the calls that has to be added to the knowledge base
4. Click Add to Knowledge base to add the call to the knowledge base.
5. Click View Knowledge base to see the calls that are added in the knowledge base
6. To remove a call from the database, select the call and click Remove button.
7. To search content from the knowledge base, type a keyword and click Search knowledge base

## FAQ

The FAQ module is to use to gather some information related to the queries posted .The FAQ can be updated by the Service desk, Administrator, Technician and IT Manager if permissions are given by the Administrator in the settings menu.



## Operation

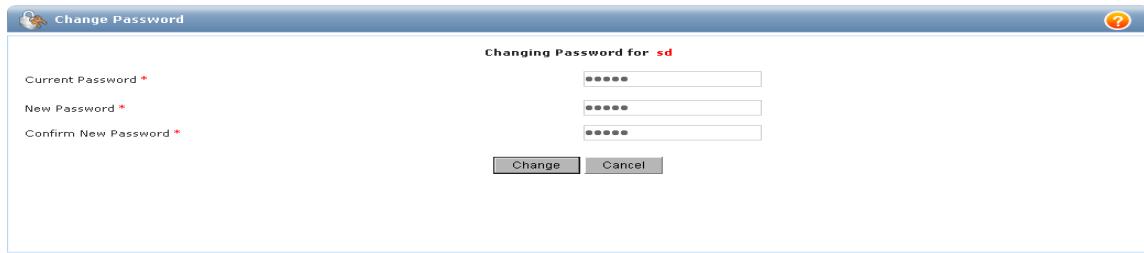
1. Type the question for the FAQ (Search keyword)
2. Type the answer.
3. Type the Url(s) for providing the information.
4. Upload a document file.
5. Select the Call Category, Complaint and Complaint detail (if needed), to group the FAQ.
6. Enable Publish to user knowledge base to be viewed by the end user.
7. Click Submit to save the FAQ created.
8. To view a FAQ select search FAQ and type the keyword to be searched and click search.

## Change Password

This screen is used to change the password. Only local user can change their password.

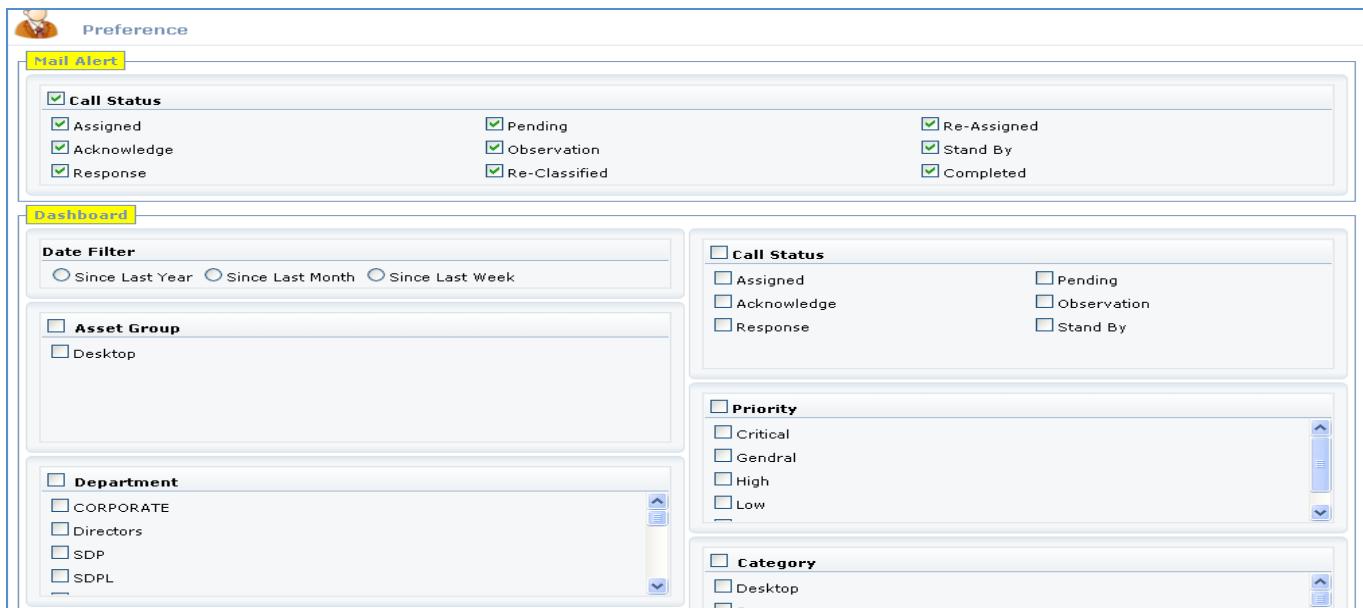
## Operation

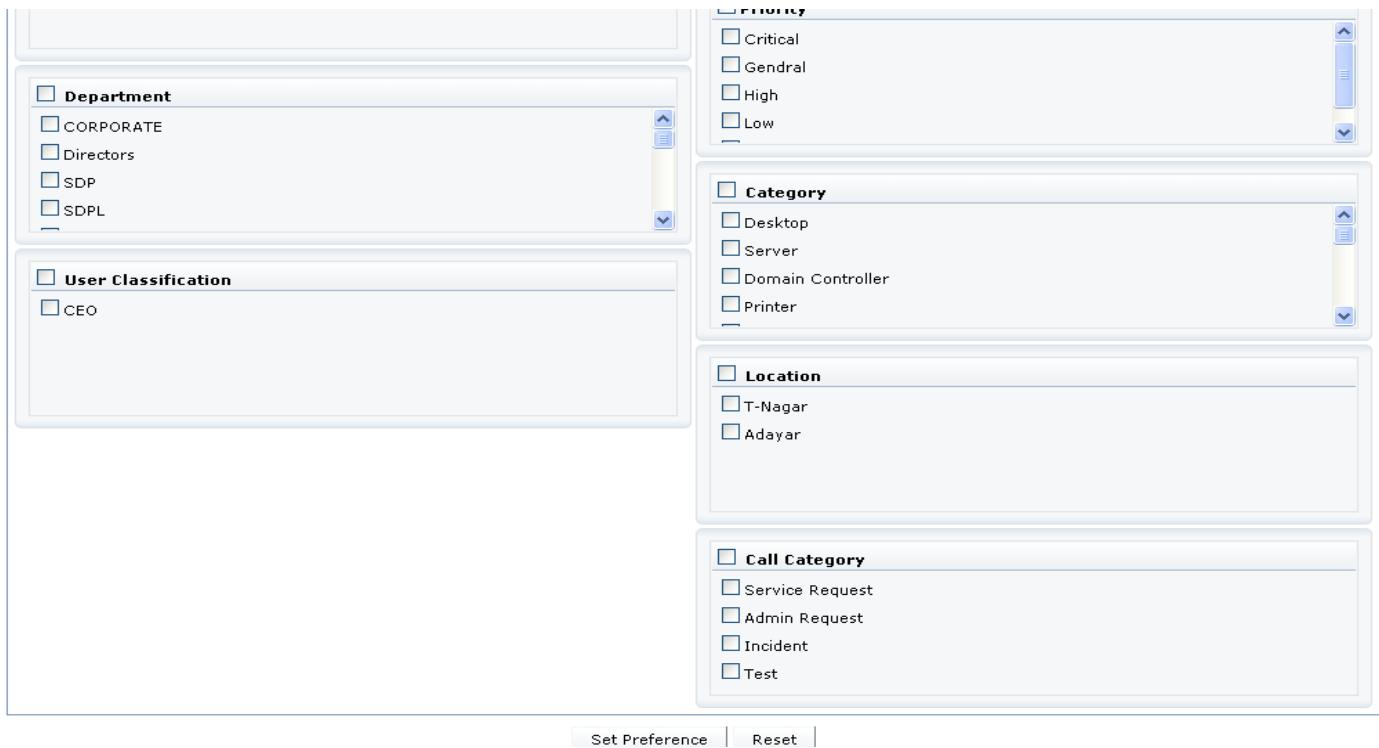
1. Enter your current password
2. Enter your new password and confirm password
3. Click change to change the password



## Preferences

Preferences feature helps you to set mail alerts for particular status calls and dashboard preferences on home page depending on the call status, date filters, priority, asset group, category, department, location, user classification and call category. If the preferences are not set, the default settings will be used





## Operation

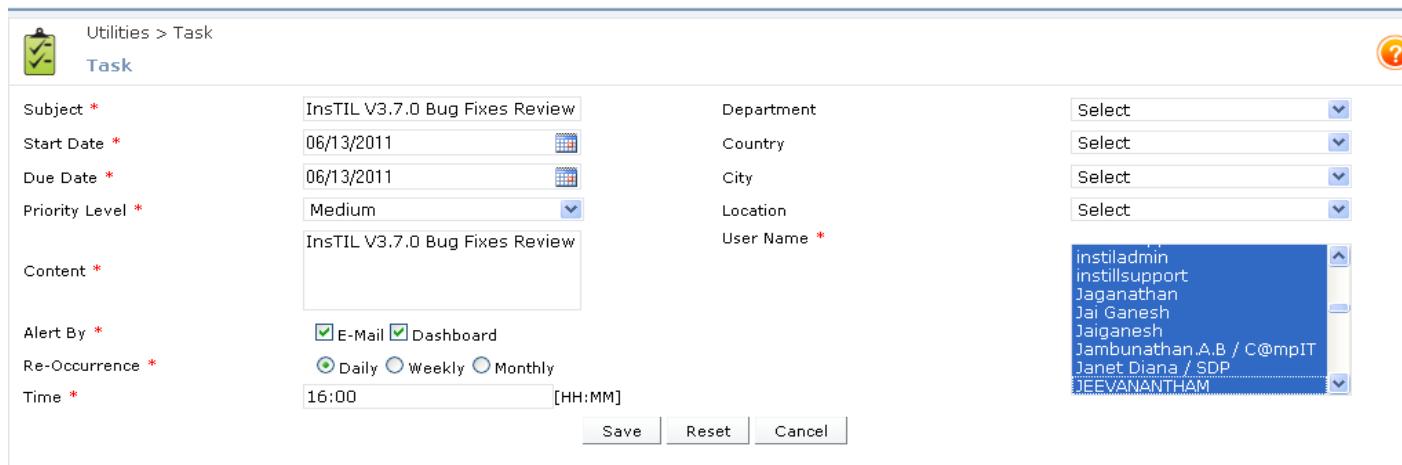
1. Click Preferences on the home page.
2. Click the required status calls for mail alerts.
3. Click the required status calls for dashboard preferences.
4. Select the date filter.
5. Select the priority.
6. Select the required asset group, category, department, location, user classification, call category.
7. Click Set Preference to save the settings.
8. Click Reset button to reset the field entries.

## Task

Task can be created and assigned to self and groups. Some of them include:

1. Backup Tasks.
2. Preventive maintenance task.
3. Information on meeting. Etc

4. Re-occurrence is set for Daily, Weekly and Monthly frequencies.



### Operation:

1. Click the Add New Task.
2. Enter the Subject – Brief outline of the task to be set
3. Enter the From Date – The task will be triggered starting from this date
4. Enter the Due Date of the task
5. Set the Priority level – High, Medium and Low
6. Enter the Content of the Task
7. Select Alert By - either through his dashboard or E-mail
8. Select the frequency of occurrence of the task- daily, weekly or monthly
9. Enter the time or day according to the re-occurrence
10. Select the user names whom the reminder has to be triggered
11. For selecting the department in a particular location:
12. Select the Department name.
13. Select the Country Name.
14. Select the City Name.
15. Select the Location name.
16. Click Save button to save the record created
17. Click Delete button to delete the record
18. Click Reset button to reset the entries.
19. Click Cancel button to cancel the process

## Reports

InsTIL application has the option to generate reports related to the Asset, Call Details, Escalation and Alerts and Notifications. These reports can be customized and viewed in detail for various types of grouping which are provided in the application. The available reports can be scheduled in Reoccurrence type of Daily, Weekly and monthly and reports triggered to various roles in the application.

The reports related to Assets includes

### **Asset**

#### 1. Asset detail

- Asset linking
- Asset group
- Brand
- Department
- Category
- Location
- User classification
- User linking
- Vendor

#### 2. AMC Reminder

- Asset group
- Category
- Brand
- Department
- Location
- Vendor

#### 3. Warranty Expiry

- Asset group
- Category
- Brand
- Department

- Location
- Vendor

4. Asset Transfer
5. Asset Physical verification report
6. Baseline report

## **User**

User Detail – The user details can be viewed using this group

## **Call Analysis**

### 1. Call Details

The reports related to Call Analysis includes

1. Incident – Time wise -Based on priority, call type and user
2. Incident – Day wise - Based on priority, call type and user
3. Incident – Monthly - Based on priority, call type and user

### 4. Call Detail

- Asset
- Call category
- Call origin
- Call status
- Technician status
- Call analysis
- Technician performance
- FLS report
- Maximum Calls – Asset
- Maximum Calls– Call category
- Maximum Calls – Duration

- Maximum Calls – Engineer
- Maximum Calls – User
- Re-occurrence
- Wrong classification
- User
- Time sheet
- Call Summary
- Call Priority Summary
- Technician Pending calls
- Technician call summary
- Category based calls
- SLA Report
- Deviated/Pending calls – Engineer wise
- Incident at a glance report
- Summary reports
- Location wise call report
- Periodical call report

## **SLA Analysis**

1. SLA analysis

## **IT –Organization**

1. Attendance report

## **Alerts and Notification**

1. AMC/Warranty and SLA reminders
2. Task reminders
3. Escalation Details
4. SMS

## **Custom Reports:**

**Sample Custom report is shown below**



Reports &gt; Asset

**Asset****Asset Detail****AMC Reminder****Warranty Expiry Reminder****Asset Transfer****Asset Physical Verification****BaseLine**

## **Report Type: Detail**

Operations

Select the report type as **Detail** adds the required fields and save the report

**Report Designer :: Report - Asset Detail**

Report Name *	Asset Group	Description	To view Assets by Asset Group	
Report Type *	Detail			
<b>Available Columns</b> Asset Description Asset Group Asset Id Asset Serial Number Audit Serial Number Bay Brand Category City Contract Date Country Department		<b>Columns</b> Category      Part Description      Device Type      Network      Department      Location Vendor      Purchase Date		
		<b>Groups</b> Asset Group Asset Description Asset Id		
<b>Selection</b> <input type="checkbox"/> Show Selection Criteria				
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>				

Reports > Asset

**Asset**

Asset Detail			New	
<a href="#">Asset Group</a>	To view assets by Asset Group	 Edit	 Delete	 Schedule
<a href="#">Asset Group Summary</a>	To view the Asset Group Summary	 Edit	 Delete	 Schedule
<a href="#">Brand</a>	To view assets by Brand	 Edit	 Delete	 Schedule
<a href="#">Brand Summary</a>	To view the Brand Summary	 Edit	 Delete	 Schedule
<a href="#">Category</a>	To view assets by Category	 Edit	 Delete	 Schedule
<a href="#">Category - Brand Matrix</a>	To view Category-Brand wise Asset Count	 Edit	 Delete	 Schedule

After saving the report, it enables to **Edit, Delete, Schedule**. Click the saved report to view the detail report.

### Output:

It displays the fields of **Column**, **Group** and **Selection** which is dragged and dropped from the available columns

 Export  Print  Refresh								
 <b>Asset Detail</b> <b>Asset Group</b> <small>Generated on 5/23/2012 11:33:37 AM</small>								
Category	Part Description	Device Type	Network	Location Details		Department	Vendor	Purchase Date
<b>15</b>								
Domain Controller	Domain Controller-VMware Virtual Platform	Microsoft(R) Windows(R) Server 2003, Enterprise Edition	Laaksh - Precision	India / chennai / T.nagar / 1st floor / Managers		TELE MARKETING	Precision Infomatic	5/18/2012 12:00:00 AM
<b>17</b>								
Server	Server-Unknown	Microsoft(R) Windows(R) Server 2003, Enterprise Edition	Laaksh - Precision					

## Report Type: Summary

On selecting report type as summary, it displays various chart type namely

### ➤ Single Series

- Single bar
- Single column
- Single doughnut
- Single pie

### ➤ Multi Series

- Multi bar
- Multi column

### ➤ Stacked series

- Stacked Bar
- Stacked Column
- Stacked Cylinder

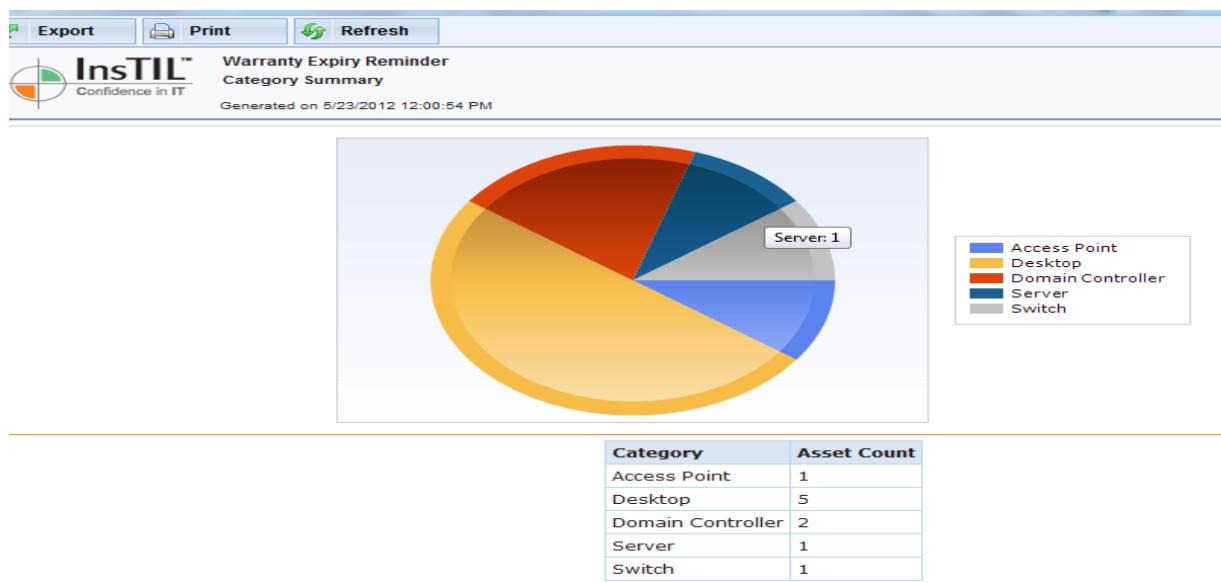
**Report Designer :: Report - Asset Detail**

Report Name *	<input type="text"/>	Description	<input type="text"/>
Report Type *	Summary	Top N	
Chart Type	Select	All	<input type="button"/>
<b>Available Columns</b>	Select <b>Single Series</b> Single-Bar Single-Column Single-Doughnut Single-Pie <b>Multi Series</b> Multi-Bar Multi-Column <b>Stacked Series</b> Stacked-Bar Stacked-Column Stacked-Cylinder		
Asset Count			
Asset Description			
Asset Group			
Asset Group Count			
Asset Id			
Asset Serial Number			
Audit Serial Number			
Bay			
Brand			
Brand Count			
Category			
Category Count			
<input type="checkbox"/> Show Selection Criteria			
<input type="button"/> Save   <input type="button"/> Reset   <input type="button"/> Cancel			

Depending on the chart type it displays the output.

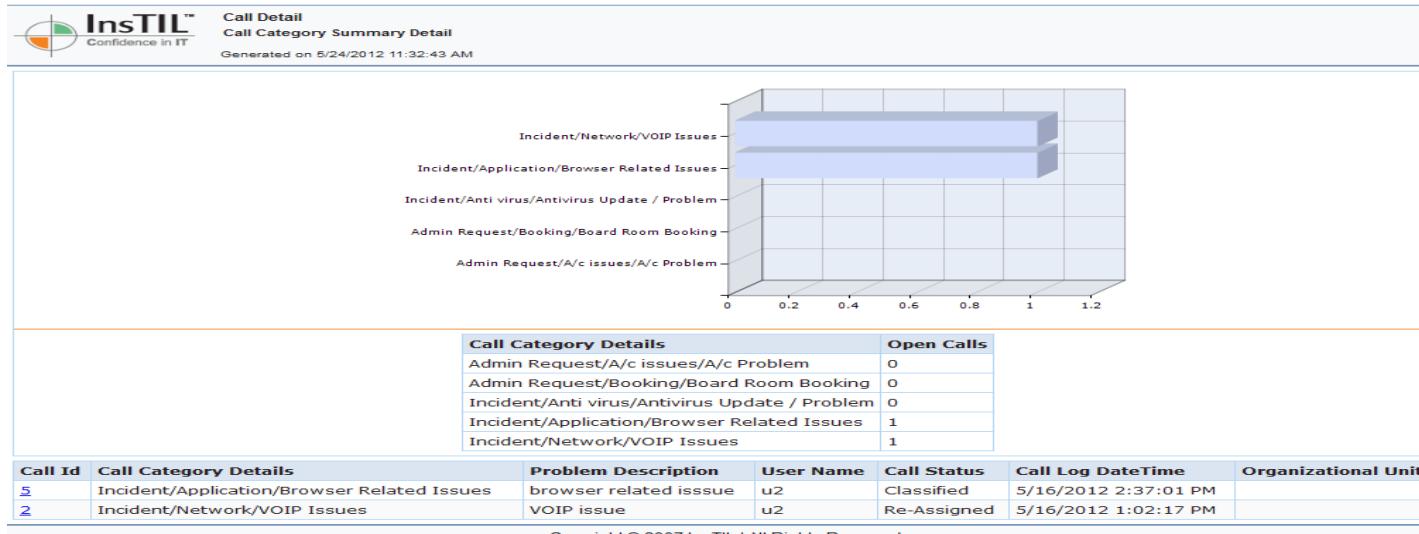
**Report Designer :: Report - Warranty Expiry Reminder**

Report Name *	Category Summary	Description	To view warranty expiry summary of assets by Category
Report Type *	Summary		
Chart Type	Single-Pie	Top N	All
<b>Available Columns</b> Asset Count Asset Description Asset Group Asset Group Count Asset Id Asset Serial Number Audit Serial Number Bay Brand Brand Count Category Category Count		<b>Columns</b> Category Asset Count	
<b>Selection</b>			
<input type="checkbox"/> Show Selection Criteria			
<a href="#">Update</a>   <a href="#">Reset</a>   <a href="#">Cancel</a>			



## Report Type: Summary Detail

The summary detail report is similar to the summary report but the output displays in detailed manner.



## Report Type: Matrix

On selecting the report type as **Matrix**, drag and drop the required fields from the available column to row, column and count.

**Report Designer :: Report - Asset Detail**

Report Name *	Category - Brand Matrix	Description	To view Category-Brand wise Asset Count
Report Type *	Matrix		
<b>Available Columns</b> Asset Count Asset Description Asset Group Asset Group Count Asset Id Asset Serial Number Audit Serial Number Bay Brand Brand Count Category Category Count		<b>Columns</b> Brand	
<b>Rows</b> Category		<b>Count</b> Asset Count	
<b>Selection</b>			
<input type="checkbox"/> Show Selection Criteria			
<a href="#">Update</a> <a href="#">Reset</a> <a href="#">Cancel</a>			

Vendor Edit | Delete | To view assets by Vendor

The results are displayed as per the selection criteria made in row, column and count.

<a href="#">Export</a> <a href="#">Print</a> <a href="#">Refresh</a>				
 <b>Asset Detail</b> Category - Brand Matrix <small>Generated on 5/24/2012 11:42:38 AM</small>				
	Hewlett-Packard	Lenovo	VMware, Inc.	Total
Access Point	1	0	0	1
Desktop	7	0	0	7
Domain Controller	0	0	2	2
Laptop	0	1	0	1
Server	1	0	0	1
Switch	2	0	0	2
<b>Total</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>14</b>

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